



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/562,756	07/25/2017	9715680	82969831	1884

22879 7590 07/03/2017

HP Inc.
3390 E. Harmony Road
Mail Stop 35
FORT COLLINS, CO 80528-9544

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 1233 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Puneet Kumar Arora, New Delhi, INDIA;
Diane R. Hammerstad, Corvallis, OR;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

22879 7590 04/11/2017
HP Inc.
3390 E. Harmony Road
Mail Stop 35
FORT COLLINS, CO 80528-9544

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/562,756	07/31/2012	Puneet Kumar Arora	82969831	1884

TITLE OF INVENTION: REMINDER MESSAGES

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	07/11/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
YUN, CARINA	2194	719-318000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 HP Inc. Patent Department

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Hewlett-Packard Development Company, L.P.

Houston TX

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 08-2025 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

/C. Blake Sorensen, Reg No 60108/
 Authorized Signature _____

2017-06-21
 Date _____

Typed or printed name C. Blake Sorensen

Registration No. 60108

Electronic Patent Application Fee Transmittal

Application Number:	13562756			
Filing Date:	31-Jul-2012			
Title of Invention:	REMINDER MESSAGES			
First Named Inventor/Applicant Name:	Puneet Kumar Arora			
Filer:	Christian Blake Sorensen/Ann Webster Jesus			
Attorney Docket Number:	82969831			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	960	960

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				960

Electronic Acknowledgement Receipt

EFS ID:	29569504
Application Number:	13562756
International Application Number:	
Confirmation Number:	1884
Title of Invention:	REMINDER MESSAGES
First Named Inventor/Applicant Name:	Puneet Kumar Arora
Customer Number:	22879
Filer:	Christian Blake Sorensen/Ann Webster Jesus
Filer Authorized By:	Christian Blake Sorensen
Attorney Docket Number:	82969831
Receipt Date:	21-JUN-2017
Filing Date:	31-JUL-2012
Time Stamp:	17:44:17
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$960
RAM confirmation Number	062217INTEFSW00004807082025
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	82969831if.pdf	62154	no	1
			f9254297f19341a97364ccc9534b472848d39c80		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30709	no	2
			b5e82993dc9af922bfc3f11a2adda831e855bc3b		
Warnings:					
Information:					
Total Files Size (in bytes):			92863		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/562,756	07/31/2012	Puneet Kumar Arora	82969831	1884
22879	7590	04/25/2017	EXAMINER	
HP Inc. 3390 E. Harmony Road Mail Stop 35 FORT COLLINS, CO 80528-9544			YUN, CARINA	
			ART UNIT	PAPER NUMBER
			2194	
			NOTIFICATION DATE	DELIVERY MODE
			04/25/2017	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ipa.mail@hp.com
barbl@hp.com
yvonne.bailey@hp.com

**Corrected
Notice of Allowability**

Application No.
13/562,756

Examiner
Carina Yun

Applicant(s)
ARORA ET AL.

Art Unit
2194

**AIA (First Inventor to File)
Status**
No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/23/2017.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 1-20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some *c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>06/22/2015</u> | 6. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

/Carina Yun/
Examiner, Art Unit 2194

/H. S. Sough/
SPE, Art Unit 2194



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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

22879 7590 04/11/2017
HP Inc.
3390 E. Harmony Road
Mail Stop 35
FORT COLLINS, CO 80528-9544

EXAMINER

YUN, CARINA

ART UNIT

PAPER NUMBER

2194

DATE MAILED: 04/11/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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13/562,756

07/31/2012

Puneet Kumar Arora

82969831

1884

TITLE OF INVENTION: REMINDER MESSAGES

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	07/11/2017

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

22879 7590 04/11/2017
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Mail Stop 35
FORT COLLINS, CO 80528-9544

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/562,756	07/31/2012	Puneet Kumar Arora	82969831	1884

TITLE OF INVENTION: REMINDER MESSAGES

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	07/11/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
YUN, CARINA	2194	719-318000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). <input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. <input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.	2. For printing on the patent front page, list (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____ (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____ 3 _____
---	---

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
☐ Applicant asserting small entity status. See 37 CFR 1.27
☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____
 Typed or printed name _____ Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/562,756	07/31/2012	Puneet Kumar Arora	82969831	1884
22879	7590	04/11/2017	EXAMINER	
HP Inc. 3390 E. Harmony Road Mail Stop 35 FORT COLLINS, CO 80528-9544			YUN, CARINA	
			ART UNIT	PAPER NUMBER
			2194	

DATE MAILED: 04/11/2017

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 13/562,756	Applicant(s) ARORA ET AL.	
	Examiner Carina Yun	Art Unit 2194	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/23/2017.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 1-20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some *c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

/Carina Yun/
Examiner, Art Unit 2194

Art Unit: 2194

DETAILED ACTION

Reasons for Allowance

The Board of Patent Appeals and Interferences reversed the rejection(s) against independent claim(s) 1, 14, 20 and dependent claim(s) 2-13, 15-19.

MPEP §1214.04 states:

A complete reversal of the examiner's rejection brings the case up for immediate action by the examiner. If the reversal does not place an application in condition for immediate allowance (e.g., the Board has entered a new ground of rejection under 37 CFR 41.50(b)), the examiner should refer to the situations outlined in MPEP § 1214.06 for appropriate guidance.

In accordance with MPEP §1214.04, since the Board has not entered any new ground of rejection(s), the reversed claims 1-20 are in condition for allowance. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to CARINA YUN whose telephone number is (571)270-7848. The examiner can normally be reached on M-Th 10-6pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, SAM SOUGH can be reached on (571)272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



Art Unit: 2194

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


/H. S. Sough/
SPE, Art Unit 2194

Issue Classification 	Application/Control No. 13562756	Applicant(s)/Patent Under Reexamination ARORA ET AL.
	Examiner CARINA YUN	Art Unit 2194

CPC						
Symbol					Type	Version
G06Q		10	/	1093	F	2013-01-01
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CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
				
				

/CARINA YUN/ Examiner.Art Unit 2194	04/01/2017	Total Claims Allowed: 20	
(Assistant Examiner)	(Date)		
/H S SOUGH/ Supervisory Patent Examiner.Art Unit 2194	04/03/2017	O.G. Print Claim(s) 20	O.G. Print Figure 5
(Primary Examiner)	(Date)		

Issue Classification 	Application/Control No. 13562756	Applicant(s)/Patent Under Reexamination ARORA ET AL.
	Examiner CARINA YUN	Art Unit 2194

<input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1		17												
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/CARINA YUN/ Examiner.Art Unit 2194 (Assistant Examiner)	04/01/2017 (Date)	Total Claims Allowed: 20	
/H S SOUGH/ Supervisory Patent Examiner.Art Unit 2194 (Primary Examiner)	04/03/2017 (Date)	O.G. Print Claim(s) 20	O.G. Print Figure 5

EAST Search History


EAST Search History (Prior Art)

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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	36673	(G06Q10/10 OR G06Q10/1093).CPC.	US-PGPUB; USPAT	OR	ON	2017/04/01 12:50
L2	83	(print near4 content) and ((schedule\$3 near4 delivery) with print\$3)	US-PGPUB; USPAT	OR	ON	2017/04/01 12:50
L3	69	(network near4 printer) and (scheduled near4 delivery) and (user near3 requested)	US-PGPUB; USPAT	OR	ON	2017/04/01 12:50
L4	23	(calendar near4 reminder) and (printer with reminder)	US-PGPUB; USPAT	OR	ON	2017/04/01 12:50
L5	69	(network near4 printer) and (scheduled near4 delivery) and (user near3 requested)	US-PGPUB; USPAT	OR	ON	2017/04/01 12:50
L6	35	(article near4 scanning) and calendar	US-PGPUB; USPAT	OR	ON	2017/04/01 12:51
L7	24	(calendar near4 event) and (notification) and (associat\$3 near4 event near4 scan\$4)	US-PGPUB; USPAT	OR	ON	2017/04/01 12:52
L8	9	(calendar near4 event) and ((schedule\$3 near4 delivery) with print\$3)	US-PGPUB; USPAT	OR	ON	2017/04/01 12:52

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Search Notes 	Application/Control No. 13562756	Applicant(s)/Patent Under Reexamination ARORA ET AL.
	Examiner CARINA YUN	Art Unit 2194

CPC- SEARCHED		
Symbol	Date	Examiner
G06Q10/10; G06Q10/1093;	4/1/2017	CY

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
Updated East Search	4/1/2017	CY
G06Q10/10; G06Q10/1093 + text search	4/1/2017	CY

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
G06Q10	10; 1093;	4/1/2017	CY

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/562,756	07/31/2012	Puneet Kumar Arora	82969831	1884
22879	7590	02/23/2017	EXAMINER	
HP Inc. 3390 E. Harmony Road Mail Stop 35 FORT COLLINS, CO 80528-9544			YUN, CARINA	
			ART UNIT	PAPER NUMBER
			2194	
			NOTIFICATION DATE	DELIVERY MODE
			02/23/2017	ELECTRONIC

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ipa.mail@hp.com
barbl@hp.com
yvonne.bailey@hp.com

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Ex parte PUNEET KUMAR ARORA and DIANE R. HAMMERSTAD

Appeal 2016-005779
Application 13/562,756
Technology Center 2100

Before BRUCE R. WINSOR, LINZY T. McCARTNEY, and
NATHAN A. ENGELS, *Administrative Patent Judges*.

PER CURIAM.

DECISION ON APPEAL

Appellants appeal under 35 U.S.C. § 134(a) from the final rejection of claims 1–20. We have jurisdiction under 35 U.S.C. § 6(b).

We reverse.

STATEMENT OF THE CASE

The Invention

Appellants’ invention relates to a computer system and method “to enable a computer user to easily create, maintain, and retrieve, highly specific and easily understood procurement lists that are associated with defined events.” Spec. ¶ 11. Claims 1, 14, and 20 are independent. Claim 1 is illustrative of the subject matter on appeal:

1. A non-transitory computer-readable storage medium containing instructions, the instructions when executed by a processor causing the processor to:

receive at a first computer system, via a network, event data descriptive of an event to occur at an event time;

receive via the network, reminder data descriptive of a reminder time to occur on or before the event time;

at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation; and

at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system.

See App. Br. (Claims App'x).

Rejections on Appeal

Claims 1–3, 5–14, 17, and 18 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Liu et al. (US 2009/0168607 A1; published July 2, 2009) (“Liu”) and Cruce (US 2012/0226779 A1; published Sept. 6, 2012).

See Ans. 3–7.

Claim 4 stands rejected under 35 U.S.C. § 103(a) as unpatentable over Liu, Cruce, and Smith (US 2012/0114891 A1; published May 10, 2012).

See id. at 7–8.

Claims 15, 16, 19, and 20 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Liu, Cruce, and Shirai (US 2006/0044594 A1; published Mar. 2, 2006). *See id.* at 8–11.

ISSUE

Does the Examiner err by interpreting “an article to be associated with the event” as any information associated to the event in any manner or form?

ANALYSIS

Claim 1 recites “at a time after receipt of the event data, receive via the network article data descriptive of *an article to be associated with the event*, the article data created during an electronic scanning operation” (*see supra* (emphasis added)). The Examiner interprets the claim term “an article” as “**any information** associated to the event in any manner or form” (Ans. 12). *See also id.* at 3; Final Act. 4. Appellants contend “the Examiner’s interpretation of the term “article” as recited in claim 1 is erroneous.” Reply Br. 2. In support of their position, Appellants refer to the Specification’s disclosure that “article data . . . is descriptive of an article to be procured, and the article is associated with the event” (*id.* (citing Spec. ¶ 11)). Appellants further refer to the Specification’s disclosure of exemplary articles, including a sweater, equipment to be brought to a game, food items, a cake, birthday decorations, a piñata, and a bicycle. *See* Reply Br. 2 (citing Spec. ¶¶ 21, 32); App. Br. 7. In view of these disclosures of Appellants’ Specification, Appellants interpret “an article” as “a physical item, not ‘any information’ as asserted by the [Examiner].” *Id.* Appellants argue that “[b]y interpreting ‘article’ to mean ‘any information,’ the Examiner has completely disregarded the description relating to an ‘article’ that is provided in the Specification.” *Id.* at 2–3.

Although we decline to adopt Appellant’s interpretation of the term “an article” as being limited to a *physical* item, we agree with Appellants

that the Examiner's interpretation of "an article" is impermissibly broad. Claim interpretation is an issue of law that we review *de novo*. *Cordis Corp. v. Boston Scientific Corp.*, 561 F.3d 1319, 1331 (Fed. Cir. 2009). During prosecution, a recitation is to be accorded its broadest reasonable interpretation in light of Appellants' Specification, *see In re Morris*, 127 F.3d 1048, 1054 (Fed. Cir. 1997), without importing limitations from the Specification, *see In re Van Geuns*, 988 F.2d 1181, 1184 (Fed. Cir. 1993).

A pertinent definition of "article" is "*n.* 1. [a]n individual thing in a class; an item: *an article of clothing*." THE AMERICAN HERITAGE DICTIONARY, SECOND COLLEGE EDITION 130 (2d ed. 1982). In addition, as cited by Appellants, the Specification provides that "an article" is an item "to be procured . . . and is associated with the event" (Spec. ¶ 11). *See also id.* ¶ 11 (disclosing "items to be procured"); Fig. 3. The Specification also provides examples of "an article," including an "item[] in the user's garage or sports equipment room . . . to be brought to the soccer game" (Spec. ¶ 21), "food items to be brought, or purchased and brought, to the family reunion" (*id.*), and "cake, birthday decorations, a piñata, and a present (a bicycle) . . . to be associated with 'Julie's Birthday' event 236" (*id.* ¶ 32).

Accordingly, we conclude the broadest reasonable interpretation of the term "article data," in light of Appellants' Specification, encompasses data, in addition to the "event data descriptive of the event," which may be descriptive of an item that is to be procured, and that is associated with the event. The Examiner's interpretation of "an article" as *any information* associated to the event *in any manner or form* is impermissibly broader than the broadest reasonable interpretation of "article data." Under the

Examiner's interpretation of "article," the recited "article" and the recited "article data descriptive of [the] article" could be one and the same, thereby impermissibly reading the words "data descriptive of an article" out of the claim. *See In re Wilson*, 424 F.2d 1382, 1385 (CCPA 1970).

In view of the foregoing, because the Examiner incorrectly interprets the term "an article," we conclude the Examiner errs in the rejection of claim 1. Accordingly, we do not sustain the rejection of claim 1, as well as the rejection of independent claims 14 and 20, and dependent claims 2–13 and 15–19, each of which recites "an article" and is rejected based on the same erroneous interpretation discussed above for the rejection of claim 1. *See* App. Br. (Claims App'x) i–iv; Ans. 4–13; Final Act. 5–12.

DECISION

The decision of the Examiner to reject claims 1–20 is reversed.

REVERSED



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/562,756	07/31/2012	Puneet Kumar Arora	82969831	1884
22879	7590	05/25/2016	EXAMINER	
HP Inc. 3390 E. Harmony Road Mail Stop 35 FORT COLLINS, CO 80528-9544			YUN, CARINA	
			ART UNIT	PAPER NUMBER
			2194	
			NOTIFICATION DATE	DELIVERY MODE
			05/25/2016	ELECTRONIC

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The time period for reply, if any, is set in the attached communication.

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barbl@hp.com
yvonne.bailey@hp.com



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HP INC.
3390 E. HARMONY ROAD
MAIL STOP 35
FORT COLLINS, CO 80528-9544

Appeal No: 2016-005779
Application: 13/562,756
Appellant: Puneet Kumar Arora et al.

Patent Trial and Appeal Board Docketing Notice

Application 13/562,756 was received from the Technology Center at the Board on May 23, 2016 and has been assigned Appeal No: 2016-005779.

In all future communications regarding this appeal, please include both the application number and the appeal number.

The mailing address for the Board is:

PATENT TRIAL and APPEAL BOARD
UNITED STATES PATENT AND TRADEMARK OFFICE
P.O. BOX 1450
ALEXANDRIA, VIRGINIA 22313-1450

Telephone inquiries can be made by calling 571-272-9797 and referencing the appeal number listed above.

By order of the Patent Trial and Appeal Board.

LNT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.:	13/562,756	§	Confirmation No.:	1884
		§		
Applicant:	PUNEET KUMAR ARORA	§	Art Unit:	2194
		§		
Filed:	07/31/2012	§	Examiner:	CARINA YUN
		§		
Title:	REMINDER MESSAGES	§	Docket No.:	82969831
		§		(HPI.2193US)
		§		
		§		

Mail Stop Appeal Brief-Patents

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

REPLY BRIEF

Sir:

The following sets forth Appellant's Reply to the Examiner's Answer dated March 16, 2016.

A. REPLY TO EXAMINER'S ANSWER REGARDING THE § 103 REJECTION OF CLAIMS 1-3, 5-14, AND 17-18 OVER LIU AND CRUCS

Independent claim 1 recites a non-transitory computer-readable storage medium containing instructions, the instructions when executed by a processor causing the processor to:

receive at a first computer system, via a network, event data descriptive of an event to occur at an event time;

receive via the network, reminder data descriptive of a reminder time to occur on or before the event time;

at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation; and

at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system.

The Appeal Brief explained why the Examiner erred in asserting that Crus discloses the bolded elements of claim 1 set forth above that the Examiner conceded was not disclosed by Liu. Appeal Brief at 5-9.

1. The Examiner's interpretation of "article" is erroneous

In response, the Examiner asserted that the term "article" as recited in claim 1 is given a purported broadest reasonable interpretation as being "**any information** associated to the event in any manner or form." Examiner's Answer at 12 (emphasis in original). Thus, according to the Examiner's "broadest reasonable interpretation," the term "article" means "any information."

Appellant respectfully submits that the Examiner's interpretation of the term "article" as recited in claim 1 is erroneous. As specified by the M.P.E.P., during patent examination, "the pending claims must be 'given the broadest reasonable interpretation **consistent with the specification.**'" M.P.E.P. Section 2111, at 2100-36 (emphasis added). Appellant respectfully submits that the Examiner has used an incorrect standard in interpreting the term "article," by not following the requirement that the interpretation of a claim term is the broadest reasonable interpretation of the term **consistent with the Specification**.

As explained in the Specification of the present application, "article data . . . is descriptive of an article to be procured, and the article is associated with the event." Specification, ¶ [0011]. As further explained by the Specification, examples of articles include a sweater, equipment to be brought to a game, and food items. *Id.*, ¶ [0021]. In addition, other examples of articles include a cake, birthday decorations, a piñata, and a bicycle. *Id.*, ¶ [0032].

In view of the foregoing passages of the Specification, it is clear that an "article" is a physical item, not "any information" as asserted by the Examiner's Answer. By interpreting

“article” to mean “any information,” the Examiner has completely disregarded the description relating to an “article” that is provided in the Specification. Thus, the interpretation of “article” adopted by the Examiner is **inconsistent** with the Specification of the present application.

The Examiner asserted that “Appellant refers to a Specification to try to narrow the interpretation of article to a sweater or equipment, or a food item.” Examiner’s Answer at 11. This mischaracterizes what was actually argued in the Appeal Brief. The Appeal Brief merely referred to various examples of articles provided in ¶ [0021] of the Specification to aid the Examiner in the proper interpretation of the term “article.” The Appeal Brief did not state that an article is to be limited to a sweater, equipment, or a food item.

As noted above, the proper interpretation of “article” is that it is a physical item, which is consistent with the Specification of the present application. When the term “article” is properly construed, Appellant respectfully submits that claim 1 is non-obvious over Liu and Crucs for the reasons stated in the Appeal Brief and those stated in this Reply.

2. The passages of Crucs cited in the Examiner’s Answer do not teach the claimed subject matter

The Examiner’s Answer responded to Appellant’s arguments in the Appeal Brief by asserting that ¶ [0011] of Crucs “teaches an event by describing an advertised event.” Examiner’s Answer at 12. The Examiner’s Answer further responded by asserting that ¶ [0039] of Crucs “teaches the article associated with the event by describing the event identifying code/information associated with the event.” *Id.*

Paragraph [0039] of Crucs states that a mobile telephone “scans or images an event-identifying code from a printed or displayed advertisement.” Crucs, ¶ [0039]. Crucs also states that a “portion of the event-identifying code is provided to the ESC 310 and used by the ESC 310

to access stored event information associated with the advertised event.” *Id.* Crucs also states that the “AEF 380 uses the event information to automatically create at least one event entry for the advertised event within the electronic calendar application.” *Id.*

The assertion by the Examiner that the event-identifying code and event information mentioned in ¶ [0039] of Crucs constitutes the “article” of claim 1 is clearly erroneous. As established above, an article as recited in claim 1 is a physical item, where, according to claim 1, “a reminder message describing the event and the article” is sent via the network to a second computer system, for presentation at the second computer system. In Crucs, the event-identifying code produced from scanning a printed or displayed advertisement merely refers to the event, and is not descriptive of an article, i.e., a physical item. As a result, the reminder that is sent in ¶ [0031] of Crucs merely refers to the event, with no indication provided by Crucs of any reminder message that describes both an event and an article that is to be associated with the event, where the article is described by article data created during an electronic scanning operation.

Moreover, according to claim 1, the receiving of the article data descriptive of the article to be associated with the event is at a time after receipt of the event data. As discussed above, in Crucs, the scanning of an event-identifying code is performed to **create** event data that is added to a calendar application. Thus, in Crucs, the scanning of the event-identifying code produces event data, whereas in claim 1, at a time **after receipt of the event data**, article data descriptive of an **article** to be associated with the event is received.

The “event information” that is described in ¶ [0039] of Crucs also refers to the event, and not to an article, i.e., a physical item, as recited in claim 1. Moreover, the event information of Crucs is analogous to the “event data” that is received at a first computer system of claim 1,

where the event data of claim 1 is “descriptive of an event to occur at an event time.” Note that according to claim 1, the article data descriptive of the article is received via the network at a time **after receipt of the event data**. Since the event information in ¶ [0039] of Crucs would correspond to the event data of claim 1, Crucs would not provide any teaching or hint of receiving, at a time **after receipt of the event data**, via the network article data descriptive of the article to be associated with the event.

In addition, the reminder that is sent in ¶ [0031] of Crucs is a reminder of **the event**. In contrast, the reminder message that is sent at the reminder time in claim 1 describes **both** the event **and the article (to be associated with the event)** that is described by article data created during an electronic scanning operation.

In view of the foregoing and in view of the arguments presented in the Appeal Brief, Appellant respectfully submits that the obviousness rejection of claim 1 and its dependent claims over Liu and Crucs is erroneous.

The obviousness rejection of independent claim 14 and its dependent claims over Liu and Crucs is similarly erroneous.

B. CONCLUSION

The remaining arguments in the Examiner's Answer have either been rebutted above or have been addressed in the Appeal Brief. In view of the foregoing, and in view of the arguments presented in the Appeal Brief, reversal of all final rejections is respectfully requested.

Respectfully submitted,

Date: May 16, 2016

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Application Number:	13562756
International Application Number:	
Confirmation Number:	1884
Title of Invention:	REMINDER MESSAGES
First Named Inventor/Applicant Name:	Puneet Kumar Arora
Customer Number:	22879
Filer:	Dan C. Hu/Cathy Hayes
Filer Authorized By:	Dan C. Hu
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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Fee Worksheet (SB06)	HPI-2193-fee.pdf	80014 0db38dd2e686b6b7e2fe7f5490558892dd341359	no	1

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2	Reply Brief Filed	2193-Reply-Brief.pdf	126349	no	6
			67065106795dbdf16bb214c2a2fe22dd79bf48b3		
Warnings:					
Information:					
Total Files Size (in bytes):				206363	
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Inventor(s): Puneet Kumar Arora, et al

Confirmation No.: 1884

Application No.: 13/562756

Examiner: YUN, CARINA

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Group Art Unit: 2194

Title: REMINDER MESSAGES

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TRANSMITTAL OF REPLY BRIEFTransmitted herewith respect to the Examiner's Answer mailed on March 16, 2016.☒ Reply Brief☒ Appeal Forwarding Fee

Please charge to Deposit Account 08-2025 the sum of \$2000. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees.

Respectfully submitted,

Puneet Kumar Arora, et al

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

Application Number: 13/562,756
Filing Date: July 31, 2012
Appellant(s): ARORA ET AL.

Dan C. Hu
For Appellant

EXAMINER'S ANSWER

This is in response to the appeal brief filed 11/17/2015.

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(1) Grounds of Rejection to be Reviewed on Appeal

Every ground of rejection set forth in the Office action dated 06/24/2015 from which the appeal is taken is being maintained by the examiner except for the grounds of rejection (if any) listed under the subheading "WITHDRAWN REJECTIONS." New grounds of rejection (if any) are provided under the subheading "NEW GROUNDS OF REJECTION."

The following ground(s) of rejection are applicable to the appealed claims.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary.

Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

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3. Claims 1-3, 5-14, and 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liu et al. (U.S. PG PUB 2009/0168607) in view of Cruscs (U.S. PG PUB 2012/0226779).

Regarding claim 1, Liu teaches a non-transitory computer-readable storage medium containing instructions, the instructions when executed by a processor causing the processor to (see ¶ [0017] processor): receive at a first computer system, via a network, event data descriptive of an event to occur at an event time (see ¶ [0023] receiving schedules); receive via the network (see ¶ [0020] network), reminder data descriptive of a reminder time to occur on or before the event time (see ¶ [0023] generating multiple reminders).

Liu does not expressly disclose at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation; and at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system.

However, Cruscs teaches at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation (see ¶ [0011] “The method step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement”); and at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system (see ¶ [0039] “The AEF 380 uses the event information to automatically create at least one event entry for the advertised event within the electronic calendar application” and ¶ [0031] “For example, when the date of an event is approaching, the ECA or AEF may provide a reminder notification to the user in a pop-up window on a display of the processor-based device”).

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Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 2, Liu teaches wherein the reminder message is sent to the second computer system for presentation with a scheduled delivery of user-requested content sent to the second computer system (see ¶ [0034]).

Regarding claim 3, Liu teaches wherein the reminder message is sent to the second computer system such that, when presented, the reminder message is embedded within the content (see ¶ [0021]).

Regarding claim 5, Liu teaches wherein the event data is received in a format of an electronic calendar (see ¶ [0022] calendar application program).

Regarding claim 6, Liu teaches wherein the event is a user defined event (see ¶ [0015] user can generate user-designated calendar-driven reminder).

Regarding claim 7, Liu teaches wherein the instructions cause the processor to receive an address for the second computer system, and to send the reminder message to the second computer system at the address (see ¶ [0024]).

Regarding claim 8, Liu does not expressly disclose wherein the electronic scanning operation includes scanning of an encoded identifier associated with the article.

However, Crus teaches wherein the electronic scanning operation includes scanning of an encoded identifier associated with the article (see ¶ [0025] “scan the two-dimensional bar code and the scanned event information is forwarded to the AEF 130. The AEF 130 automatically processes the event information to extract dates, times, locations, and other information (e.g., ticket prices, where to buy tickets) associated with the advertised event”).

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Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 9, Liu does not expressly disclose wherein the reminder message includes an encoded identifier that, when electronically scanned by a scanning device and interpreted by a computer, is a link to information relating to the article.

However, Crus teaches wherein the reminder message includes an encoded identifier that, when electronically scanned by a scanning device and interpreted by a computer, is a link to information relating to the article (see ¶ [0025] “scan the two-dimensional bar code and the scanned event information is forwarded to the AEF 130. The AEF 130 automatically processes the event information to extract dates, times, locations, and other information (e.g., ticket prices, where to buy tickets) associated with the advertised event”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 10, Liu does not expressly disclose wherein the electronic scanning operation is conducted at a computing device that includes a camera, and the scanning operation includes taking of a digital photograph of the article or an identifier of the article utilizing the camera.

However, Crus teaches wherein the electronic scanning operation is conducted at a computing device that includes a camera, and the scanning operation includes taking of a digital photograph of the article or an identifier of the article utilizing the camera (see ¶ [0022] scanner and/or camera).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶ [0004]).

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Regarding claim 11, Liu teaches wherein the instructions cause the processor to store the event data, the reminder data, and the article data in memory in association with one another (see ¶ [0041]).

Regarding claim 12, Liu teaches wherein the event time includes a specific day of the week or time (see Fig. 3).

Regarding claim 13, Liu teaches wherein the event time includes a lapse of a defined time period (see Fig. 3).

Regarding claim 14, Liu teaches a first computer system, comprising: at least one processor (see ¶ [0017] processor); an event data module executable by the at least one processor to receive via a network, event data descriptive of an event to occur at an event time (see ¶ [0023] receiving schedules); a reminder data module executable by the at least one processor to receive via the network, reminder data descriptive of a reminder time to occur on or before the event time (see ¶ [0023] generating multiple reminders).

Liu does not expressly disclose an article data module executable by the at least one processor to, at a time following receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation; and a reminder sending module executable by the at least one processor to, at the reminder time, send a reminder message describing the event and the article to a second computer system, for presentation at the second computer system.

However, Crus teaches an article data module executable by the at least one processor to, at a time following receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation (see ¶ [0011] “The method step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement”); and a reminder sending module executable by the at least one processor to, at the reminder time, send a reminder message describing the event and the article

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to a second computer system, for presentation at the second computer system (see ¶ [0039] “The AEF 380 uses the event information to automatically create at least one event entry for the advertised event within the electronic calendar application” and ¶ [0031] “For example, when the date of an event is approaching, the ECA or AEF may provide a reminder notification to the user in a pop-up window on a display of the processor-based device”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 17, Liu teaches wherein the event data is received in the format of an electronic calendar and the event is a user defined event (see ¶ [0015] user can generate user-designated calendar-driven reminder).

Regarding claim 18, Liu does not expressly disclose wherein the electronic scanning operation includes scanning of a barcode or other encoded identifier associated with the article.

However, Crus teaches wherein the electronic scanning operation includes scanning of a barcode or other encoded identifier associated with the article (see ¶ [0025] “scan the two-dimensional bar code and the scanned event information is forwarded to the AEF 130. The AEF 130 automatically processes the event information to extract dates, times, locations, and other information (e.g., ticket prices, where to buy tickets) associated with the advertised event”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

4. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Liu et al. (U.S. PG PUB 2009/0168607) in view of Crus (U.S. PG PUB 2012/0226779) as applied to claim 1 above, and further in view of Smith (U.S. PG PUB 2012/0114891).

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Regarding claim 4, Liu and Crucs do not disclose wherein the second computer system is a printer, and the presentation of the reminder message includes printing the reminder message at the printer.

However, Smith teaches wherein the second computer system is a printer, and the presentation of the reminder message includes printing the reminder message at the printer (see ¶[0005]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Crucs by adapting the teachings of Smith for the purposes of printing reminders or notes for convenience.

5. Claims 15, 16, 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liu et al. (U.S. PG PUB 2009/0168607) in view of Crucs (U.S. PG PUB 2012/0226779), further in view of Shirai (U.S. PG PUB 2006/0044594).

Regarding claim 15, Liu and Crucs do not disclose wherein the reminder message is sent to the second computer system along with a scheduled delivery of user-requested content sent to the second computer system for printing.

However, Shirai teaches wherein the reminder message is sent to the second computer system along with a scheduled delivery of user-requested content sent to the second computer system for printing (see ¶[0011], ¶ [0019]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Crucs by adapting the teachings of Shirai for managing a print schedule efficiently.

Regarding claim 16, Liu and Crucs do not disclose wherein the reminder message is sent to the second computer system such that, when printed, the reminder message is embedded within the content. However, Shirai teaches wherein the reminder message is sent to the second computer system such that, when printed, the reminder message is embedded within the content (see ¶ [0126]).

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Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Cruce by adapting the teachings of Shirai for managing a print schedule efficiently.

Regarding claim 19, Liu and Cruce do not expressly disclose wherein the second computer system is a network connected printer, and the presentation of the reminder message includes printing the reminder message at the printer.

However, Shirai teaches wherein the second computer system is a network connected printer, and the presentation of the reminder message includes printing the reminder message at the printer (see ¶ [0126]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Cruce by adapting the teachings of Shirai for managing a print schedule efficiently.

Regarding claim 20, Liu teaches a method, comprising: receiving at a first computer system via a network and in a format of an electronic calendar (see ¶ [0034] calendar user application), event data descriptive of an event to occur at an event time (see ¶ [0023] receiving schedules); receiving, at the first computer system via the network (see ¶ [0020] network), reminder data descriptive of a reminder time to occur on or before the event time (see ¶ [0023] generating multiple reminders).

Liu does not expressly disclose receiving, at the first computer system, an address for a network connected printer; at a time after receipt of the event data, receiving, at the first computer system via the network, article data descriptive of an article to be associated with the event, the article data created during an electronic scanning of an identifier of the article conducted at a scanner computer system; and at the reminder time, sending, by the first computer system, a reminder message describing the event and the article to the printer at the address, for printing the reminder message at the printer, wherein the

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reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer.

However, Crucs teaches at a time after receipt of the event data, receiving, at the first computer system via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning of a barcode conducted at a computer system (see ¶ [0011] “The method step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement”); and at the reminder time sending a reminder message describing the event (see ¶ [0039] “The AEF 380 uses the event information to automatically create at least one event entry for the advertised event within the electronic calendar application” and ¶ [0031] “For example, when the date of an event is approaching, the ECA or AEF may provide a reminder notification to the user in a pop-up window on a display of the processor-based device”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crucs for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Liu and Crucs do not disclose receiving at the first computer system an address for a network connected printer; sending the article to the printer at the address, for printing at the printer, wherein the reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer.

However, Shirai teaches receiving at the first computer system an address for a network connected printer (see ¶ [0081]); sending the article to the printer at the address, for printing at the printer, wherein the reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer (see ¶ [0126]).

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Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Cruce by adapting the teachings of Shirai for managing a print schedule efficiently.

(2) Response to Argument

Appellant claims the reminder message describes both the event and the article that is described by the article data created during the electronic scanning operation.

Appellant argues that examiner has not pointed out where in Cruce there is any teaching of a reminder message that is sent that describes both the event and the article to be associated with the event that is described by the article data during a scanning operation. Appellant argues that the concept of providing information describing an article does not exist anywhere in Cruce. Appellant refers to the specification to try to narrow the interpretation of article to a sweater or equipment, or a food item. Appellant argues that Cruce merely refers to the event and article to be associated with the event, but no indication that they are both in a reminder message. Appellant argues Cruce has nothing to do with “at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event.”

Examiner respectfully disagrees.

Examiner has pointed out in Cruce the teaching of generating a calendar event based on the receiving of an event identifying code of an advertised event, wherein the event-identifying code includes event information associated with the advertised event (see ¶ [0011], ¶ [0039], and ¶ [0040]). Furthermore, the application is configured to configure reminder notifications and notes about the event (see ¶ [0031]). Here, **the reminder message is the event calendar notification that includes the event and information associated with the event.** The terms “article to be associated with the event” is not limited to applicant's narrow interpretation of article. The claim does not specify that the article must be a

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sweater, or equipment, or a food item. Examiner gives the *Broadest Reasonable Interpretation* that the article associated with the event as any information associated to the event in any manner or form.

Cruces teaches an event by describing an advertised event.

[0011] A further embodiment of the present invention comprises a processor-based device having computer-executable instructions configured as an auto-event feature for enabling the performance of a method for automatically generating an event entry within an electronic calendar application. The processor-based device may include at least one of a mobile device, a cellular telephone, a laptop computer, and a desktop computer, for example. The method performed by the processor-based device includes receiving an event-identifying code of an **advertised event**, wherein the event-identifying code includes **event information associated with the advertised event**. The event-identifying code may include a one-dimensional bar code, a two-dimensional bar code, or alpha-numeric characters. The method step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement, or manually keying the event-identifying code into the processor-based device. The method further includes operatively communicating with an **electronic calendar application running on a processor-based device to automatically create at least one event entry for the advertised event within the electronic calendar application using at least a portion of the event information**. The method step of automatically creating at least one event entry for the advertised event within the electronic calendar application may further use a current location of a user of the processor-based device to choose at least one location of the advertised event from the event information. The current location of the user may be based on GPS information or cell tower information, for example. Alternatively, the method step of automatically creating at least one event entry for **the advertised event** within the electronic calendar application may further use a known residence address or a known business address of a user of the processor-based device to choose at least one location of the advertised event from the event information.

Cruces teaches the article associated with the event by describing the event identifying code/information associated with the event.

[0039] As an example of the method 400, the processor-based device 370 may be a mobile telephone. A user of the mobile telephone 370 scans or images **an event-identifying code** from a printed or displayed advertisement. The AEF 380 uses the event-identifying code to access the ESC 310 via the internet 320 through the cell tower 335 and the cellular network 330. The event-identifying code may include an IP address to the ESC 310 or, as an option, may include a domain name which can be interpreted by a domain name server computer (DNSC) 350 which resolves to an IP address of the ESC 310. **A portion of the event-identifying code** is provided to the ESC 310 and used by the ESC 310 **to access stored event information associated with the advertised event**. The event information is provided from the ESC 310 to the AEF 380 of the mobile telephone 370 via the internet through the cell tower 335 and the cellular network 330. The AEF 380 **uses the event information to automatically create at least one event entry for the advertised event within the electronic calendar application**.

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For the above reasons, it is believed that the rejections should be sustained.

Respectfully submitted,

/CARINA YUN/

Examiner, Art Unit 2194

Conferees:

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/EMERSON PUENTE/

Supervisory Patent Examiner, Art Unit 2196

Requirement to pay appeal forwarding fee. In order to avoid dismissal of the instant appeal in any application or ex parte reexamination proceeding, 37 CFR 41.45 requires payment of an appeal forwarding fee within the time permitted by 37 CFR 41.45(a), unless appellant had timely paid the fee for filing a brief required by 37 CFR 41.20(b) in effect on March 18, 2013.

<i>Index of Claims</i> 	Application/Control No. 13562756	Applicant(s)/Patent Under Reexamination ARORA ET AL.
	Examiner CARINA YUN	Art Unit 2194

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47										
CLAIM		DATE								
Final	Original	01/10/2015	06/16/2015	03/10/2016						
	1	✓	✓	A						
	2	✓	✓	A						
	3	✓	✓	A						
	4	✓	✓	A						
	5	✓	✓	A						
	6	✓	✓	A						
	7	✓	✓	A						
	8	✓	✓	A						
	9	✓	✓	A						
	10	✓	✓	A						
	11	✓	✓	A						
	12	✓	✓	A						
	13	✓	✓	A						
	14	✓	✓	A						
	15	✓	✓	A						
	16	✓	✓	A						
	17	✓	✓	A						
	18	✓	✓	A						
	19	✓	✓	A						
	20	✓	✓	A						

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.:	13/562,756	§	Confirmation No.:	1884
		§		
Applicant:	PUNEET KUMAR	§	Art Unit:	2194
	ARORA	§		
		§		
Filed:	07/31/2012	§	Examiner:	CARINA YUN
		§		
Title:	REMINDER	§	Docket No.:	82969831
	MESSAGES	§		(HPI.2193US)
		§		
		§		

Mail Stop Appeal Brief-Patents

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

APPEAL BRIEF PURSUANT TO 37 C.F.R § 41.37

The final rejection of claims 1-20 is hereby appealed.

I. REAL PARTY IN INTEREST

The real party in interest is the Hewlett-Packard Development Company, LP. The Hewlett-Packard Development Company, LP, is a limited partnership established under the laws of the State of Texas and has a principal place of business at 11445 Compaq Center Drive West, Houston, TX 77070, U.S.A. (hereinafter "HPDC"). HPDC is a Texas limited partnership and is a wholly-owned affiliate of Hewlett-Packard Company, a Delaware Corporation, headquartered in Palo Alto, CA. The general or managing partner of HPDC is HPQ Holdings, LLC.

II. RELATED APPEALS AND INTERFERENCES

None.

III. SUMMARY OF THE CLAIMED SUBJECT MATTER

The following provides a concise explanation of the subject matter defined in each of the independent claims involved in the appeal, referring to the specification by page and line number or paragraph number and to the drawings by reference characters, as required by 37 C.F.R. § 41.37(c)(1)(iii). Each element of the claims is identified by a corresponding reference to the specification and drawings where applicable. Note that the citation to passages in the specification and drawings for each claim element does not imply that limitations from the specification and drawings should be read into the corresponding claim element. Note also that the cited passages are provided as examples, as other passages in the specification or drawings not cited may also be relevant to the corresponding claim elements.

Independent claim 1 recites a non-transitory computer-readable storage medium containing instructions, the instructions when executed by a processor causing the processor to:

- receive (Fig. 5:502) at a first computer system, via a network, event data descriptive of an event to occur at an event time (¶¶ [0018, 0039]);
- receive (Fig. 5:504) via the network, reminder data descriptive of a reminder time to occur on or before the event time (¶¶ 0019, 0040));
- at a time after receipt of the event data, receive (Fig. 5:506) via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation (¶¶ [0020, 0041]); and
- at the reminder time send (Fig. 5:508) via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system (¶¶ [0021, 0042]).

Independent claim 14 recites a first computer system, comprising:

- at least one processor (Fig. 2:214; ¶ [0029]);
- an event data module (Fig. 2:274) executable by the at least one processor to receive, via a network, event data descriptive of an event to occur at an event time (¶¶ [0018, 0030]);
- a reminder data module (Fig. 2:276) executable by the at least one processor to receive, via the network, reminder data descriptive of a reminder time to occur on or before the event time (¶¶ 0019, 0031));
- an article data module (Fig. 2:278) executable by the at least one processor to, at a time following receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation (¶¶ [0020, 0032]); and
- a reminder sending module (Fig. 2:284) executable by the at least one processor to, at the reminder time, send a reminder message describing the event and the article to a second computer system, for presentation at the second computer system (¶¶ [0021, 0035]).

Independent claim 20 recites a method, comprising:

receiving (Fig. 5:502), at a first computer system via a network and in a format of an electronic calendar, event data descriptive of an event to occur at an event time (¶¶ [0018, 0039]);

receiving (Fig. 5:504), at the first computer system via the network, reminder data descriptive of a reminder time to occur on or before the event time (¶¶ 0019, 0040]);

receiving, at the first computer system, an address for a network connected printer (Fig. 2:204; ¶¶ [0026, 0034]);

at a time after receipt of the event data, receiving (Fig. 5:506), at the first computer system via the network, article data descriptive of an article to be associated with the event, the article data created during an electronic scanning of an identifier of the article conducted at a scanner computer system (¶¶ [0020, 0041]); and

at the reminder time, sending (Fig. 5:508), by the first computer system, a reminder message describing the event and the article to the printer at the address, for printing the reminder message at the printer, wherein the reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer (¶¶ [0021, 0042]).

IV. ARGUMENT

The following are the grounds of rejection to be reviewed on appeal:

- A. **Claims 1-3, 5-14, and 17-18 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Liu (U.S. Publication No. 2009/0168607) in view of Cruce (U.S. Publication No. 2012/0226779).**
- B. **Claim 4 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Liu in view of Cruce, and further in view of Smith (U.S. Publication No. 2012/0114891).**
- C. **Claims 15, 16, 19 and 20 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Liu in view of Cruce, and further in view of Shirai (U.S. Publication No. 2006/0044594).**

The claims do not stand or fall together. Instead, Appellant presents separate arguments for various independent and dependent claims. Each of these arguments is separately argued below and presented with separate headings and sub-headings as required by 37 C.F.R. § 41.37(c)(1)(iv).

- A. **Claims 1-3, 5-14, and 17-18 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Liu (U.S. Publication No. 2009/0168607) in view of Cruce (U.S. Publication No. 2012/0226779).**

- 1. **Claims 1-3, 5-14, 17, 18.**

Independent claim 1 recites a non-transitory computer-readable storage medium containing instructions, the instructions when executed by a processor causing the processor to:

receive at a first computer system, via a network, event data descriptive of an event to occur at an event time;

receive via the network, reminder data descriptive of a reminder time to occur on or before the event time;

at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation; and

at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system.

Appellant respectfully submits that claim 1 is non-obvious over Liu and Cruce.

To make a determination under 35 U.S.C. § 103, several basic factual inquiries must be performed, including determining the scope and content of the prior art, and ascertaining the differences between the prior art and the claims at issue. *Graham v. John Deere Co.*, 383 U.S. 1, 17, 148 U.S.P.Q. 459 (1966). Moreover, as held by the U.S. Supreme Court, it is important to identify a reason that would have prompted a person of ordinary skill in the art to combine reference teachings in the manner that the claimed invention does. *KSR International Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 1741, 82 U.S.P.Q.2d 1385 (2007).

The Examiner conceded that Liu does not disclose the subject matter in the bolded clauses of claim 1 set forth above. 6/24/2015 Office Action at 4. Instead, the Examiner cited Cruks as purportedly disclosing the claimed subject matter conceded by the Examiner to be missing from Liu. *Id.*

According to claim 1, the network article data that is received **at a time after receipt of the event data** is descriptive of an **article** to be **associated with the event**, the article data created during an electronic scanning operation, and moreover, at the reminder time a reminder message is sent describing the **event and the article** to a second computer system, for presentation at the second computer system. Thus, the reminder message describes both the event and the article that is described by the article data created during the electronic scanning operation.

As explained in Cruks, the “step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement, or manually keying the event-identifying code into the processor-based device.” Cruks, ¶ [0011]. At least one event entry is created for the advertised event within an electronic calendar

application “using at least a portion of the event information [included in the event-identifying code].” *Id.* As further stated in Cruks, “when the date of an event is approaching, the ECA or AEF may provide a reminder notification to the user in a pop-up window on a display of the processor-based device.”

Thus, according to Cruks, the scanning of an event-identifying code from a printed or displayed advertisement is used for creating an **event** entry for an advertised event within an electronic calendar application. The reminder that is sent in ¶ [0031] of Cruks is a reminder of **the event**.

Appellant respectfully notes that the reminder message that is sent at the reminder time in claim 1 describes **both** the event **and the article (to be associated with the event)** that is described by article data created during an electronic scanning operation. The Examiner has not pointed out where in Cruks there is any teaching or hint of a reminder message that is sent that describes both the event and the article (to be associated with the event) that is described by article data created during an electronic scanning operation.

Fundamentally, the scanning of the event-identifying code from printed or displayed advertisement discussed in ¶ [0011] of Cruks is used for providing **event** information in an **event** entry in an electronic calendar application. The concept of also providing information describing an article (in addition to the event) does not exist anywhere in Cruks.

As an illustrative example of what an article may be, Appellant refers to ¶ [0021] of the Specification of the as-filed application, where examples of articles include a sweater (an article) to be purchased in connection with Mom’s birthday (an event), equipment (an article) to be brought to a soccer game (an event), or a food item (an article) to be brought to a family reunion (an event).

In Cruce, the event-identifying code produced from scanning a printed or displayed advertisement merely refers to the event, and the reminder that is sent in ¶ [0031] of Cruce also merely refers to the event, with no indication provided by Cruce of any reminder message that describes both an event and an article that is to be associated with the event, where the article is described by article data created during an electronic scanning operation.

Moreover, according to claim 1, the receiving of the article data descriptive of the article to be associated with the event is at a time after receipt of the event data. As discussed above, in Cruce, the scanning of an event-identifying code is performed to **create** event data that is added to a calendar application. Thus, in Cruce, the scanning of the event-identifying code produces event data, whereas in claim 1, at a time after receipt of the event data, article data descriptive of an **article** to be associated with the event is received.

The Response to Argument section of the Final Office Action cited ¶ [0007] of Cruce, with the Examiner asserting that Cruce can later receive “additional information associated with other events.” Office Action at 12. Receiving information for other events after receiving information for a first event, as discussed in ¶ [0007] of Cruce, has nothing to do with “at a time after receipt of the event data, receive via the network article data descriptive of an article **to be associated with the event**,” as recited in claim 1. The other events for which information is received after receiving information for a first event, as discussed in ¶ [0007] of Cruce, do not constitute an article to be associated with the event. In other words, if the first event in ¶ [0007] is considered the “event” of claim 1, then there is no indication whatsoever that the other events for which information is later received in ¶ [0007] of Cruce constitutes an article to be associated with the first event.

In view of the foregoing, Appellant respectfully submits that the Examiner has erred in asserting that Cruks teaches the subject matter of claim 1 conceded by the Examiner to be missing from Liu. Therefore, the asserted combination of Liu and Cruks would not have led to the subject matter of claim 1, and thus, the obviousness rejection of claim 1 and its dependent claims is erroneous.

The obviousness rejection of independent claim 14 and its dependent claims over Liu and Cruks is also similarly erroneous.

Reversal of the final rejection of the above claims is respectfully requested.

B. Claim 4 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Liu in view of Cruks, and further in view of Smith (U.S. Publication No. 2012/0114891).

1. Claim 4.

In view of the allowability of independent claim 1 over Liu and Cruks, the obviousness rejection of dependent claim 4 over Liu, Cruks, and Smith has been overcome.

Reversal of the final rejection of the above claim is respectfully requested.

C. **Claims 15, 16, 19 and 20 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Liu in view of Cruce, and further in view of Shirai (U.S. Publication No. 2006/0044594).**

1. Claim 20.

Independent claim 20 recites a method comprising:

receiving, at a first computer system via a network and in a format of an electronic calendar, event data descriptive of an event to occur at an event time;

receiving, at the first computer system via the network, reminder data descriptive of a reminder time to occur on or before the event time;

receiving, at the first computer system, an address for a network connected printer;

at a time after receipt of the event data, receiving, at the first computer system via the network, article data descriptive of an article to be associated with the event, the article data created during an electronic scanning of an identifier of the article conducted at a scanner computer system; and

at the reminder time, sending, by the first computer system, a reminder message describing the event and the article to the printer at the address, for printing the reminder message at the printer, wherein the reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer.

The Examiner conceded that Liu fails to teach the subject matter in the bolded clauses of claim 20 set forth above. Office Action at 10-11.

Instead, the Examiner relied upon Cruce as purportedly disclosing the foregoing elements of claim 20 conceded by the Examiner to be missing from Liu. As explained above in connection with claim 1, Cruce does not provide any teaching or hint of such subject matter.

Shirai was relied upon with respect to a different feature, and does not remedy the deficiencies of Liu and Cruce with respect to the foregoing elements of claim 20.

Accordingly, the asserted combination of Liu, Cruce, and Shirai would not have led to the subject matter of claim 20, and therefore, claim 20 is non-obvious over Liu, Cruce, and Shirai.

Reversal of the final rejection of the above claim is respectfully requested.

2. Claims 15, 16, 19.

In view of the allowability of base claim 14 over Liu and Cruce, the obviousness rejection of dependent claims 15, 16, and 19 over Liu, Cruce, and Shirai have been overcome.

Reversal of the final rejection of the above claims is respectfully requested.

CONCLUSION

In view of the foregoing, reversal of all final rejections and allowance of all pending claims is respectfully requested.

Respectfully submitted,

Date: November 17, 2015

/Dan C. Hu/

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V. CLAIMS APPENDIX

The claims on appeal are:

- 1 1. A non-transitory computer-readable storage medium containing instructions, the
2 instructions when executed by a processor causing the processor to:
3 receive at a first computer system, via a network, event data descriptive of an event to
4 occur at an event time;
5 receive via the network, reminder data descriptive of a reminder time to occur on or
6 before the event time;
7 at a time after receipt of the event data, receive via the network article data descriptive of
8 an article to be associated with the event, the article data created during an electronic scanning
9 operation; and
10 at the reminder time send via the network a reminder message describing the event and
11 the article to a second computer system, for presentation at the second computer system.
- 1 2. The medium of claim 1, wherein the reminder message is sent to the second computer
2 system for presentation with a scheduled delivery of user-requested content sent to the second
3 computer system.
- 1 3. The medium of claim 2, wherein the reminder message is sent to the second computer
2 system such that, when presented, the reminder message is embedded within the content.
- 1 4. The medium of claim 1, wherein the second computer system is a printer, and the
2 presentation of the reminder message includes printing the reminder message at the printer.
- 1 5. The medium of claim 1, wherein the event data is received in a format of an electronic
2 calendar.
- 1 6. The medium of claim 1, wherein the event is a user defined event.

- 1 7. The medium of claim 1, wherein the instructions cause the processor to receive an
2 address for the second computer system, and to send the reminder message to the second
3 computer system at the address.
- 1 8. The medium of claim 1, wherein the electronic scanning operation includes scanning of
2 an encoded identifier associated with the article.
- 1 9. The medium of claim 1, wherein the reminder message includes an encoded identifier
2 that, when electronically scanned by a scanning device and interpreted by a computer, is a link to
3 information relating to the article.
- 1 10. The medium of claim 1, wherein the electronic scanning operation is conducted at a
2 computing device that includes a camera, and the scanning operation includes taking of a digital
3 photograph of the article or an identifier of the article utilizing the camera.
- 1 11. The medium of claim 1, wherein the instructions cause the processor to store the event
2 data, the reminder data, and the article data in memory in association with one another.
- 1 12 The medium of claim 1, wherein the event time includes a specific day of the week or
2 time.
- 1 13. The medium of claim 1, wherein the event time includes a lapse of a defined time period.

- 1 14. A first computer system, comprising:
2 at least one processor;
3 an event data module executable by the at least one processor to receive, via a network,
4 event data descriptive of an event to occur at an event time;
5 a reminder data module executable by the at least one processor to receive, via the
6 network, reminder data descriptive of a reminder time to occur on or before the event time;
7 an article data module executable by the at least one processor to, at a time following
8 receipt of the event data, receive via the network article data descriptive of an article to be
9 associated with the event, the article data created during an electronic scanning operation; and
10 a reminder sending module executable by the at least one processor to, at the reminder
11 time, send a reminder message describing the event and the article to a second computer system,
12 for presentation at the second computer system.
- 1 15. The system of claim 14, wherein the reminder message is sent to the second computer
2 system along with a scheduled delivery of user-requested content sent to the second computer
3 system for printing.
- 1 16. The system of claim 15, wherein the reminder message is sent to the second computer
2 system such that, when printed, the reminder message is embedded within the content.
- 1 17. The system of claim 14, wherein the event data is received in a format of an electronic
2 calendar and the event is a user defined event.
- 1 18. The system of claim 14, wherein the electronic scanning operation includes scanning of a
2 barcode or other encoded identifier associated with the article.
- 1 19. The system of claim 14, wherein the second computer system is a network connected
2 printer, and the presentation of the reminder message includes printing the reminder message at
3 the printer.

1 20. A method, comprising:
2 receiving, at a first computer system via a network and in a format of an electronic
3 calendar, event data descriptive of an event to occur at an event time;
4 receiving, at the first computer system via the network, reminder data descriptive of a
5 reminder time to occur on or before the event time;
6 receiving, at the first computer system, an address for a network connected printer;
7 at a time after receipt of the event data, receiving, at the first computer system via the
8 network, article data descriptive of an article to be associated with the event, the article data
9 created during an electronic scanning of an identifier of the article conducted at a scanner
10 computer system; and
11 at the reminder time, sending, by the first computer system, a reminder message
12 describing the event and the article to the printer at the address, for printing the reminder
13 message at the printer, wherein the reminder message is sent to the printer along with a
14 scheduled delivery of user-requested content to the printer.

Electronic Acknowledgement Receipt

EFS ID:	24105673
Application Number:	13562756
International Application Number:	
Confirmation Number:	1884
Title of Invention:	REMINDER MESSAGES
First Named Inventor/Applicant Name:	Puneet Kumar Arora
Customer Number:	22879
Filer:	Dan C. Hu/Cathy Hayes
Filer Authorized By:	Dan C. Hu
Attorney Docket Number:	82969831
Receipt Date:	17-NOV-2015
Filing Date:	31-JUL-2012
Time Stamp:	13:26:02
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	HPI-2193-transmittal-signed.pdf	73485 145aca67766a31d138d4454928ae99a1b04727df	no	1

Warnings:

Information:

2	Appeal Brief Filed	2193-Appeal-Brief.pdf	151817	no	16
			876340e98f6c0ed86a1153889d6bddf2707d2a6d		
Warnings:					
Information:					
Total Files Size (in bytes):				225302	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

HP Inc.
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PATENT APPLICATION

RECORD ID: 82969831

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Puneet Kumar Arora, et al

Confirmation No.: 1884

Application No.: 13/562756

Examiner: YUN, CARINA

Filing Date: Jul 31, 2012

Group Art Unit: 2194

Title: REMINDER MESSAGES

Mail Stop Appeal Brief-Patents
Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF APPEAL BRIEF

Transmitted herewith is the Appeal Brief in this application with respect to the Notice of Appeal filed on September 23, 2015.

(complete (a) or (b) as applicable)

The proceedings herein are for a patent application and the provisions of 37 CFR 1.136(a) apply.

☐ (a) Applicant petitions for an extension of time under 37 CFR 1.136 (fees: 37 CFR 1.17(a)-(d)) for the total number of months checked below:

☐ 1st Month
\$200

☐ 2nd Month
\$600

☐ 3rd Month
\$1400

☐ 4th Month
\$2200

☐ The extension fee has already been filed in this application.

☒ (b) Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

Please charge to Deposit Account 08-2025 the sum of \$ 00 . At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees.

Respectfully submitted,

Puneet Kumar Arora, et al

By: /Dan C. Hu, Reg. No. 40,025/

Dan C. Hu

Attorney/Agent for Applicant(s)

Reg No. : 40025

Date: NOV 17, 2015

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HEWLETT-PACKARD COMPANY
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Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 82969831

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Puneet Kumar Arora

Confirmation No.: 1884

Application No.: 13/562756

Examiner: YUN, CARINA

Filing Date: Jul 31, 2012

Group Art Unit: 2194

Title: REMINDER MESSAGES

Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

**NOTICE OF APPEAL FROM THE EXAMINER TO THE
BOARD OF PATENT APPEALS AND INTERFERENCES**

Applicant hereby appeals to the Board of Patent Appeals and Interferences from the decision of the examiner dated, 06/24/2015, rejecting the following claims _____ (all rejected claims) .

☒ The fee for filing this Notice of Appeal is \$800.00 (37 CFR 41.20).

☐ No Additional Fee Required.

(complete (a) or (b) as applicable)

The proceedings herein are for a patent application and the provisions of 37 CFR 1.13 6(a) apply.

☐ (a) Applicant petitions for an extension of time under 37 CFR 1.136 (FEES: 37 CFR 1.17 (a)-(d) for the total number of months checked below:

☐ 1st Month
\$200

☐ 2nd Month
\$600

☐ 3rd Month
\$1400

☐ 4th Month
\$2200

☐ The extension fee has already been filed in this application

☐ (b) Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

The fee for filing this Notice of Appeal is \$ 800.00 pursuant to 37 CFR 41.20.

The Director is hereby authorized to charge the required fee(s) of \$800.00, any deficiency, or credit any overpayment to Deposit Account 08-2025, pursuant to 37 CFR 1.25.

Respectfully submitted,

Puneet Kumar Arora, et al

By: /Dan C. Hu, Reg. No. 40,025/

Dan C. Hu

Attorney/Agent for Applicant(s)

Reg No. : 40025

Date: September 23, 2015

Telephone : 713-468-8880

Electronic Acknowledgement Receipt

EFS ID:	23575209
Application Number:	13562756
International Application Number:	
Confirmation Number:	1884
Title of Invention:	REMINDER MESSAGES
First Named Inventor/Applicant Name:	Puneet Kumar Arora
Customer Number:	22879
Filer:	Dan C. Hu/Cathy Hayes
Filer Authorized By:	Dan C. Hu
Attorney Docket Number:	82969831
Receipt Date:	23-SEP-2015
Filing Date:	31-JUL-2012
Time Stamp:	09:42:29
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Notice of Appeal Filed	hpi2193-noticeofappeal.pdf	79165 1f6b6d3d026b571936e0351100e33e620b490fda	no	1

Warnings:

Information:

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Document code: WFEE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/562,756	07/31/2012	Puneet Kumar Arora	82969831	1884

22879 7590 06/24/2015
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
3404 E. Harmony Road
Mail Stop 35
FORT COLLINS, CO 80528

EXAMINER

YUN, CARINA

ART UNIT	PAPER NUMBER
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2194

NOTIFICATION DATE	DELIVERY MODE
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06/24/2015

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

JERRY.SHORMA@HP.COM
ipa.mail@hp.com
brandon.serwan@hp.com

Office Action Summary	Application No. 13/562,756	Applicant(s) ARORA ET AL.	
	Examiner CARINA YUN	Art Unit 2194	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06/08/2015.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-20 is/are rejected.
- 8) ☐ Claim(s) ____ is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 3) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date ____. | 4) <input type="checkbox"/> Other: ____. |

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DETAILED ACTION

1. This office action is in response to applicant's amendments and/or remarks filed on June 8, 2015, claims 1-20 are pending.

Response to Amendment

2. The rejection of claims 14-19 under 35 U.S.C. 101 have been withdrawn in light of the amendment filed.

Examiner Notes

3. Examiner cites particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested that, in preparing responses, the applicant fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

Notice of Pre-AIA or AIA Status

4. The present application is being examined under the pre-AIA first to invent provisions.

5. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

Information Disclosure Statement

6. The information disclosure statement filed 07/31/2012 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because item 1 US-818037 does not appear to be the correct patent number and examiner was unable to locate the reference. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the

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submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609.05(a).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

8. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

9. Claims 1-3, 5-14, and 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liu et al. (U.S. PG PUB 2009/0168607) in view of Cruces (U.S. PG PUB 2012/0226779).

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Regarding claim 1, Liu teaches a non-transitory computer-readable storage medium containing instructions, the instructions when executed by a processor causing the processor to (see ¶ [0017] processor): receive at a first computer system, via a network, event data descriptive of an event to occur at an event time (see ¶ [0023] receiving schedules); receive via the network (see ¶ [0020] network), reminder data descriptive of a reminder time to occur on or before the event time (see ¶ [0023] generating multiple reminders).

Liu does not expressly disclose at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation; and at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system.

However, Crucs teaches at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation (see ¶ [0011] “The method step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement”); and at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system (see ¶ [0039] “The AEF 380 uses the event information to automatically create at least one event entry for the advertised event within the electronic calendar application” and ¶ [0031] “For example, when the date of an event is approaching, the ECA or AEF may provide a reminder notification to the user in a pop-up window on a display of the processor-based device”).

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Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 2, Liu teaches wherein the reminder message is sent to the second computer system for presentation with a scheduled delivery of user-requested content sent to the second computer system (see ¶ [0034]).

Regarding claim 3, Liu teaches wherein the reminder message is sent to the second computer system such that, when presented, the reminder message is embedded within the content (see ¶ [0021]).

Regarding claim 5, Liu teaches wherein the event data is received in a format of an electronic calendar (see ¶ [0022] calendar application program).

Regarding claim 6, Liu teaches wherein the event is a user defined event (see ¶ [0015] user can generate user-designated calendar-driven reminder).

Regarding claim 7, Liu teaches wherein the instructions cause the processor to receive an address for the second computer system, and to send the reminder message to the second computer system at the address (see ¶ [0024]).

Regarding claim 8, Liu does not expressly disclose wherein the electronic scanning operation includes scanning of an encoded identifier associated with the article.

However, Crus teaches wherein the electronic scanning operation includes scanning of an encoded identifier associated with the article (see ¶ [0025] “scan the two-dimensional bar code and the scanned event information is forwarded to the AEF 130. The AEF 130 automatically processes the event information to extract dates, times, locations, and other information (e.g., ticket prices, where to buy tickets) associated with the advertised event”).

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Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 9, Liu does not expressly disclose wherein the reminder message includes an encoded identifier that, when electronically scanned by a scanning device and interpreted by a computer, is a link to information relating to the article.

However, Crus teaches wherein the reminder message includes an encoded identifier that, when electronically scanned by a scanning device and interpreted by a computer, is a link to information relating to the article (see ¶ [0025] “scan the two-dimensional bar code and the scanned event information is forwarded to the AEF 130. The AEF 130 automatically processes the event information to extract dates, times, locations, and other information (e.g., ticket prices, where to buy tickets) associated with the advertised event”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 10, Liu does not expressly disclose wherein the electronic scanning operation is conducted at a computing device that includes a camera, and the scanning operation includes taking of a digital photograph of the article or an identifier of the article utilizing the camera.

However, Crus teaches wherein the electronic scanning operation is conducted at a computing device that includes a camera, and the scanning operation includes taking of a digital photograph of the article or an identifier of the article utilizing the camera (see ¶ [0022] scanner and/or camera).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶ [0004]).

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Regarding claim 11, Liu teaches wherein the instructions cause the processor to store the event data, the reminder data, and the article data in memory in association with one another (see ¶ [0041]).

Regarding claim 12, Liu teaches wherein the event time includes a specific day of the week or time (see Fig. 3).

Regarding claim 13, Liu teaches wherein the event time includes a lapse of a defined time period (see Fig. 3).

Regarding claim 14, Liu teaches a first computer system, comprising: at least one processor (see ¶ [0017] processor); an event data module executable by the at least one processor to receive via a network, event data descriptive of an event to occur at an event time (see ¶ [0023] receiving schedules); a reminder data module executable by the at least one processor to receive via the network, reminder data descriptive of a reminder time to occur on or before the event time (see ¶ [0023] generating multiple reminders).

Liu does not expressly disclose an article data module executable by the at least one processor to, at a time following receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation; and a reminder sending module executable by the at least one processor to, at the reminder time, send a reminder message describing the event and the article to a second computer system, for presentation at the second computer system.

However, Crus teaches an article data module executable by the at least one processor to, at a time following receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation (see ¶ [0011] “The method step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement”); and a reminder sending module executable by the at least one processor to, at the reminder time, send a reminder message describing the event and the article

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to a second computer system, for presentation at the second computer system (see ¶ [0039] “The AEF 380 uses the event information to automatically create at least one event entry for the advertised event within the electronic calendar application” and ¶ [0031] “For example, when the date of an event is approaching, the ECA or AEF may provide a reminder notification to the user in a pop-up window on a display of the processor-based device”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 17, Liu teaches wherein the event data is received in the format of an electronic calendar and the event is a user defined event (see ¶ [0015] user can generate user-designated calendar-driven reminder).

Regarding claim 18, Liu does not expressly disclose wherein the electronic scanning operation includes scanning of a barcode or other encoded identifier associated with the article.

However, Crus teaches wherein the electronic scanning operation includes scanning of a barcode or other encoded identifier associated with the article (see ¶ [0025] “scan the two-dimensional bar code and the scanned event information is forwarded to the AEF 130. The AEF 130 automatically processes the event information to extract dates, times, locations, and other information (e.g., ticket prices, where to buy tickets) associated with the advertised event”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

10. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Liu et al. (U.S. PG PUB 2009/0168607) in view of Crus (U.S. PG PUB 2012/0226779) as applied to claim 1 above, and further in view of Smith (U.S. PG PUB 2012/0114891).

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Regarding claim 4, Liu and Crucs do not disclose wherein the second computer system is a printer, and the presentation of the reminder message includes printing the reminder message at the printer.

However, Smith teaches wherein the second computer system is a printer, and the presentation of the reminder message includes printing the reminder message at the printer (see ¶[0005]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Crucs by adapting the teachings of Smith for the purposes of printing reminders or notes for convenience.

11. Claims 15, 16, 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liu et al. (U.S. PG PUB 2009/0168607) in view of Crucs (U.S. PG PUB 2012/0226779), further in view of Shirai (U.S. PG PUB 2006/0044594).

Regarding claim 15, Liu and Crucs do not disclose wherein the reminder message is sent to the second computer system along with a scheduled delivery of user-requested content sent to the second computer system for printing.

However, Shirai teaches wherein the reminder message is sent to the second computer system along with a scheduled delivery of user-requested content sent to the second computer system for printing (see ¶[0011], ¶ [0019]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Crucs by adapting the teachings of Shirai for managing a print schedule efficiently.

Regarding claim 16, Liu and Crucs do not disclose wherein the reminder message is sent to the second computer system such that, when printed, the reminder message is embedded within the content. However, Shirai teaches wherein the reminder message is sent to the second computer system such that, when printed, the reminder message is embedded within the content (see ¶ [0126]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Cruce by adapting the teachings of Shirai for managing a print schedule efficiently.

Regarding claim 19, Liu and Cruce do not expressly disclose wherein the second computer system is a network connected printer, and the presentation of the reminder message includes printing the reminder message at the printer.

However, Shirai teaches wherein the second computer system is a network connected printer, and the presentation of the reminder message includes printing the reminder message at the printer (see ¶ [0126]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Cruce by adapting the teachings of Shirai for managing a print schedule efficiently.

Regarding claim 20, Liu teaches a method, comprising: receiving at a first computer system via a network and in a format of an electronic calendar (see ¶ [0034] calendar user application), event data descriptive of an event to occur at an event time (see ¶ [0023] receiving schedules); receiving, at the first computer system via the network (see ¶ [0020] network), reminder data descriptive of a reminder time to occur on or before the event time (see ¶ [0023] generating multiple reminders).

Liu does not expressly disclose receiving, at the first computer system, an address for a network connected printer; at a time after receipt of the event data, receiving, at the first computer system via the network, article data descriptive of an article to be associated with the event, the article data created during an electronic scanning of an identifier of the article conducted at a scanner computer system; and at the reminder time, sending, by the first computer system, a reminder message describing the event and the article to the printer at the address, for printing the reminder message at the printer, wherein the

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reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer.

However, Crucs teaches at a time after receipt of the event data, receiving, at the first computer system via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning of a barcode conducted at a computer system (see ¶ [0011] “The method step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement”); and at the reminder time sending a reminder message describing the event (see ¶ [0039] “The AEF 380 uses the event information to automatically create at least one event entry for the advertised event within the electronic calendar application” and ¶ [0031] “For example, when the date of an event is approaching, the ECA or AEF may provide a reminder notification to the user in a pop-up window on a display of the processor-based device”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crucs for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Liu and Crucs do not disclose receiving at the first computer system an address for a network connected printer; sending the article to the printer at the address, for printing at the printer, wherein the reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer.

However, Shirai teaches receiving at the first computer system an address for a network connected printer (see ¶ [0081]); sending the article to the printer at the address, for printing at the printer, wherein the reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer (see ¶ [0126]).

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Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Cruces by adapting the teachings of Shirai for managing a print schedule efficiently.

Response to Arguments

12. Applicant's arguments filed on June 8, 2015 have been fully considered but they are not persuasive

13. In reply to Applicant's remarks on page 6-8, with regard to Cruces, Applicant asserts that Cruces does not disclose "at a time **after receipt of the event**, receive via the network article data descriptive of an article to be associated with an event,". Applicant asserts Cruces discloses scanning event identifying code and argues it is different from the claimed invention.

Examiner respectfully disagrees.

Cruces discloses in ¶ [0007] receiving an event identifying code, via an information network, and later, receiving additional information associated with other events via the information network, storing the event information for subsequent accessing in response to subsequent event identifying codes. Therefore, Cruces shows first receiving an event, and after receiving an event, receiving data descriptive of an article associated with an event because it is only after receiving the event that information can be identified from the event, and there are also subsequent events in response to receiving the first event.

Hence, applicant's argument is not deemed to be persuasive and the rejection under 35 U.S.C. §103(a) is proper and stands.

Support for Amendments and Newly Added Claims

14. Applicants are respectfully requested, in the event of an amendment to claims or submission of new claims, that such claims and their limitations be directly mapped to the specification, which provides

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support for the subject matter. This will assist in expediting compact prosecution. MPEP 714.02 recites: “Applicant should also specifically point out the support for any amendments made to the disclosure. See MPEP § 2163.06. An amendment which does not comply with the provisions of 37 CFR 1.121(b), (c), (d), and (h) may be held not fully responsive. See MPEP § 714.” **Amendments not pointing to specific support in the disclosure may be deemed as not complying with provisions of 37 C.F.R. 1.121(b), (c), (d), and (h) and therefore held not fully responsive.** Generic statements such as “Applicants believe no new matter has been introduced” may be deemed insufficient.

Interview Requests

15. In accordance with 37 CFR 1.133(a)(3), requests for interview must be made in advance. Interview requests are to be made by telephone (571-270-7848) call or FAX (571-270-8848). Applicants must provide a detailed agenda as to what will be discussed (generic statement such as “discuss §102 rejection” or “discuss rejections of claims 1-3” may be denied interview). The detail agenda along with any proposed amendments is to be written on a PTOL-413A or a custom form and should be faxed (or emailed, subject to MPEP 713.01.I / MPEP 502.03) to the Examiner at least 5 business days prior to the scheduled interview. Interview requests submitted within amendments may be denied because the Examiner was not notified, in advance, of the Applicant Initiated Interview Request and due to time constraints may not be able to review the interview request to prior to the mailing of the next Office Action.

Conclusion

16. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH

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shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CARINA YUN whose telephone number is (571)270-7848. The examiner can normally be reached on Mon-Thur, 9.30am-6.30pm; alt. Fri, EST. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, SAM SOUGH can be reached on (571)272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


/CARINA YUN/
Examiner, Art Unit 2194

/H. S. Sough/
Supervisory Patent Examiner, Art Unit 2194

<i>Index of Claims</i> 	Application/Control No. 13562756	Applicant(s)/Patent Under Reexamination ARORA ET AL.
	Examiner CARINA YUN	Art Unit 2194

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant				<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
CLAIM		DATE							
Final	Original	01/10/2015	06/16/2015						
	1	✓	✓						
	2	✓	✓						
	3	✓	✓						
	4	✓	✓						
	5	✓	✓						
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	7	✓	✓						
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	15	✓	✓						
	16	✓	✓						
	17	✓	✓						
	18	✓	✓						
	19	✓	✓						
	20	✓	✓						

Search Notes 	Application/Control No. 13562756	Applicant(s)/Patent Under Reexamination ARORA ET AL.
	Examiner CARINA YUN	Art Unit 2194

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
Updated East Search	6/16/2015	CY
G06Q10/10; G06Q10/1093 + text search	6/16/2015	CY

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	36	Arora near2 Puneet.IN. or Hammerstad near2 Diane.IN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L3	17	L1 and (event or alert)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L4	7	L1 and (event or alert) and (reminder or notification)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L6	9566	L5 and (event or alert) and (reminder or notification)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L7	31544	(G06Q10/10 OR G06Q10/1093).CPC.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L8	2930	L7 and (event or alert) and (reminder or notification) and (calendar)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L9	481	L7 and (event or alert) and (reminder or notification) and (calendar) and (scanning)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L10	50	L7 and (event or alert) and (reminder or notification) and (calendar) and (scanning) and (barcode near3 data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L11	45	(calendar near4 event) and (notification) and (scanning near5 barcode) and (associat\$3 near4 event)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L12	2	(calendar near4 event) and (notification) and (associat\$3 near4 event near4 barcode)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L13	21	(calendar near4 event) and (notification) and (associat\$3 near4 event near4 scan\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L14	11	((("0818037") or ("7109848") or ("7327834") or ("7447989") or ("7797204") or ("7821874") or ("20080005168") or ("20090313299") or ("2472067"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2015/06/16 17:07
L18	58	(receiving near4 calendar near4 reminder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L19	30	(receiving near4 calendar near4 reminder) and (associated near4 event)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L20	108	(receiving near4 calendar near4 event) and (associated near4 event) and (reminder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07

L21	2	(receiving near4 calendar near4 event) and (grocery near4 list) and (reminder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L23	27	(receiving near4 calendar near4 event) and (reminder near4 task)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L24	3	(receiving near4 calendar near4 event) and (grocery near4 list)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L25	3	(receiving near4 calendar near4 event) and (calendar near4 link\$3 near4 task)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L28	27	(calendar near4 reminder) and (print\$3 near3 calendar near4 reminder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L30	58	(receiving near4 calendar near4 reminder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L31	56	(receiving near4 calendar near4 reminder) and (network)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L32	558	(calendar near4 event) and (print\$3 with message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L33	10	(calendar near4 event) and (print\$3 with reminder with message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L34	156	(calendar near4 event) and (printer with message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L35	35	(calendar near4 reminder) and (printer with message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L36	21	(calendar near4 reminder) and (printer with reminder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L37	11	(printing near4 reminder near4 message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L38	16	(printer near4 reminder near4 message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L39	181	(network near4 printer) and (scheduled near4 delivery)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L40	65	(network near4 printer) and (scheduled near4 delivery) and (user near3 requested)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L41	31	(calendar near4 event) and ((schedule\$3 near4 delivery) same print\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L42	9	(calendar near4 event) and ((schedule\$3 near4 delivery) with print\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L43	11	(reminder near4 event) and ((schedule\$3 near4 delivery) with print\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07

L44	77	(print near4 content) and ((schedule\$3 near4 delivery) with print\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L45	24	(print near4 content) and ((schedule\$3 near4 delivery) with print\$3) and (network near4 printer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:07
L46	1	(Arora near2 Puneet.IN. or Hammerstad near2 Diane.IN.) and (reminder near3 message).clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/16 17:09

6/ 16/ 2015 5:12:03 PM
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

Q

1

Complete if Known

Application Number	13/562756
Filing Date	31 Jul 2012
First Named Inventor	Arora Puneet Kumar
Art Unit	2194
Examiner Name	YUN, CARINA
Attorney Docket Number	82969831 (HPC.2193US)

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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The information provided by you in this form will be subject to the following routine uses:

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	22693466
Application Number:	13562756
International Application Number:	
Confirmation Number:	1884
Title of Invention:	REMINDER MESSAGES
First Named Inventor/Applicant Name:	Puneet Kumar Arora
Customer Number:	22879
Filer:	Dan C. Hu/Cathy Hayes
Filer Authorized By:	Dan C. Hu
Attorney Docket Number:	82969831
Receipt Date:	22-JUN-2015
Filing Date:	31-JUL-2012
Time Stamp:	09:41:44
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Fee Worksheet (SB06)	hpc2193-feesheet.pdf	76907 aa188bdc2b54a8ba893fe30a4a9f8f36de13 ceb6	no	1

Warnings:

Information:

2	Information Disclosure Statement (IDS) Form (SB08)	2193-IDS.pdf	508470 <small>62ab82d155edc3bb026779b4337859b1e3789e18</small>	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
Total Files Size (in bytes):				585377	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

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3404 E. Harmony Road
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Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 82969831

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Puneet Kumar Arora, et al

Confirmation No.: 1884

Application No.: 13/562756

Examiner: YUN, CARINA

Filing Date: Jul 31, 2012

Group Art Unit: 2194

Title: REMINDER MESSAGES

Mail Stop Amendment
Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.97 (b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first action on the merits; whichever occurs last)
- ☒ under 37 CFR 1.97 (c), together with either a:
☐ Statement under 37 CFR 1.97 (e), or
☒ a \$180 fee under 37 CFR 1.17 (p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d), together with a:
☐ Statement under 37 CFR 1.97 (e)(1) or (2), and
☐ a \$180 fee set forth in 37 CFR 1.17 (p)
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$ 180.00 . At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

Applicant(s) submit herewith form PTO/SB/08B - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

- ☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO/SB/08B, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an english language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO/SB/08B and is enclosed.

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,

Puneet Kumar Arora, et al

By: /Dan C. Hu, Reg. No. 40,025/

Dan C. Hu

Attorney/Agent for Applicant(s)

Reg No. : 40025

Date: JUNE 20, 2015

Telephone : 713-468-8880

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.:	13/562,756	§	Confirmation No.:	1884
Applicant:	PUNEET KUMAR	§	Art Unit:	2194
	ARORA	§		
Filed:	07/31/2012	§	Examiner:	CARINA YUN
Title:	REMINDER	§	Docket No.:	82969831
	MESSAGES	§		(HPC.2193US)
		§		
		§		

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

REPLY TO OFFICE ACTION MAILED MARCH 6, 2015

Sir:

In response to the Office Action of March 6, 2015, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 1. (Original) A non-transitory computer-readable storage medium containing
2 instructions, the instructions when executed by a processor causing the processor to:
3 receive at a first computer system, via a network, event data descriptive of an
4 event to occur at an event time;
5 receive via the network, reminder data descriptive of a reminder time to occur on
6 or before the event time;
7 at a time after receipt of the event data, receive via the network article data
8 descriptive of an article to be associated with the event, the article data created during an
9 electronic scanning operation; and
10 at the reminder time send via the network a reminder message describing the
11 event and the article to a second computer system, for presentation at the second
12 computer system.

1 2. (Original) The medium of claim 1, wherein the reminder message is sent to the
2 second computer system for presentation with a scheduled delivery of user-requested
3 content sent to the second computer system.

1 3. (Original) The medium of claim 2, wherein the reminder message is sent to the
2 second computer system such that, when presented, the reminder message is embedded
3 within the content.

1 4. (Original) The medium of claim 1, wherein the second computer system is a
2 printer, and the presentation of the reminder message includes printing the reminder
3 message at the printer.

1 5. (Currently Amended) The medium of claim 1, wherein the event data is received
2 in a format of an electronic calendar.

- 1 6. (Original) The medium of claim 1, wherein the event is a user defined event.
- 1 7. (Original) The medium of claim 1, wherein the instructions cause the processor to
2 receive an address for the second computer system, and to send the reminder message to
3 the second computer system at the address.
- 1 8. (Original) The medium of claim 1, wherein the electronic scanning operation
2 includes scanning of an encoded identifier associated with the article.
- 1 9. (Original) The medium of claim 1, wherein the reminder message includes an
2 encoded identifier that, when electronically scanned by a scanning device and interpreted
3 by a computer, is a link to information relating to the article.
- 1 10. (Currently Amended) The medium of claim 1, wherein the electronic scanning
2 operation is conducted at a computing device that includes a camera, and the scanning
3 operation includes[[of]] taking of a digital photograph of the article or an identifier of the
4 article utilizing the camera.
- 1 11. (Original) The medium of claim 1, wherein the instructions cause the processor to
2 store the event data, the reminder data, and the article data in memory in association with
3 one another.
- 1 12. (Original) The medium of claim 1, wherein the event time includes a specific day
2 of the week or time.
- 1 13. (Currently Amended) The medium of claim 1, wherein the event time includes~~is~~
2 ~~the~~ a lapse of a defined time period.

1 14. (Currently Amended) A first computer system, comprising:
2 at least one processor;
3 an event data module[[,]] executable by the at least one processor to receive ~~at a~~
4 ~~first computer system~~, via a network, event data descriptive of an event to occur at an
5 event time;
6 a reminder data module[[,]] executable by the at least one processor to receive, via
7 the network, reminder data descriptive of a reminder time to occur on or before the event
8 time;
9 an article data module[[,]] executable by the at least one processor to, at a time
10 following receipt of the event data, receive via the network article data descriptive of an
11 article to be associated with the event, the article data created during an electronic
12 scanning operation; and
13 a reminder sending module[,]] executable by the at least one processor to, at the
14 reminder time, send a reminder message describing the event and the article to a second
15 computer system, for presentation at the second computer system.

1 15. (Original) The system of claim 14, wherein the reminder message is sent to the
2 second computer system along with a scheduled delivery of user-requested content sent to
3 the second computer system for printing.

1 16. (Currently Amended) The system of claim 15, wherein the reminder message is
2 sent to the second computer system such that, when printed, the reminder message is
3 embedded within the content.

1 17. (Currently Amended) The system of claim 14, wherein the event data is received
2 in a[[the]] format of an electronic calendar and the event is a user defined event.

1 18. (Original) The system of claim 14, wherein the electronic scanning operation
2 includes scanning of a barcode or other encoded identifier associated with the article.

1 19. (Original) The system of claim 14, wherein the second computer system is a
2 network connected printer, and the presentation of the reminder message includes printing
3 the reminder message at the printer.

1 20. (Original) A method, comprising:
2 receiving₁ at a first computer system₁ via a network and in a₁ format of an
3 electronic calendar, event data descriptive of an event to occur at an event time;
4 receiving₁ at the first computer system via the network, reminder data descriptive
5 of a reminder time to occur on or before the event time;
6 receiving₁ at the first computer system, an address for a network connected
7 printer;
8 at a time after receipt of the event data, receiving₁ at the first computer system via
9 the network₁ article data descriptive of an article to be associated with the event, the
10 article data created during an electronic scanning of an identifier of the article ~~a barcode~~
11 conducted at a scanner computer system; and
12 at the reminder time₁ sending₁ by the first computer system, a reminder message
13 describing the event and the article to the printer at the address, for printing the reminder
14 message at the printer, wherein the reminder message is sent to the printer along with a
15 scheduled delivery of user-requested content to the printer.

REMARKS

Claims 1-20 are pending.

In the Office Action mailed March 6, 2015, claims 14-19 were rejected under 35 U.S.C. § 101; claims 1-3, 5-14 and 17-18 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Liu (U.S. Publication No. 2009/0168607) in view of Cruce (U.S. Publication No. 2012/0226779); claim 4 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Liu in view of Cruce, and further in view of Smith (U.S. Publication No. 2012/0114891); and claims 15-16 and 19-20 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Liu in view of Cruce, and further in view of Shirai (U.S. Publication No. 2006/0044594).

REJECTION UNDER 35 U.S.C. § 101

Independent claim 14 has been amended to render the § 101 rejection moot. Withdrawal of the § 101 rejection is respectfully requested.

REJECTION UNDER 35 U.S.C. § 103 OVER LIU AND CRUCE

Applicant respectfully submits that claim 1 is non-obvious over Liu and Cruce.

In the rejection of claim 1, the Office Action conceded that Liu does not disclose the following elements of claim 1:

at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation; and

at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system.

03/06/2015 Office Action at 4. Instead, the Office Action cited Cruce as purportedly disclosing the subject matter of claim 1 conceded by the Office Action to be missing from Liu. *Id.*

Note that according to claim 1, a first computer system receives, via a network, “event data descriptive of an event to occur at an event time.” Claim 1 further recites “at a time **after receipt of the event data**, receive via the network article data descriptive of

an article to be associated with the event, the article data created during an electronic scanning operation.”

Thus, it is clear that the receiving of the article data (descriptive of an article to be associated with the event) created during an electronic scanning operation in claim 1 is at a time **after receipt of the event data** that is “descriptive of [the] event to occur at an event time.”

Crucs, on the other hand, performs “scanning [of] the event-identifying code from a printed or displayed advertisement” for the purpose of “creat[ing] at least one event entry for the advertised event within the electronic calendar application.” Crucs, ¶ [0011]. Crucs states that “manual entry [of events into a calendar application] takes time and can be prone to mistakes made by the user.” *Id.*, ¶ [0002]. To address the foregoing, Crucs describes “automatically generating an event entry within an electronic calendar application,” by “electronically scanning the event-identifying code off of one of a printed advertisement and a displayed advertisement of the advertised event.” *Id.*, ¶ [0005].

It is thus clear that in Crucs, the scanning of an event-identifying code is performed to **create** event data that is added to a calendar application. In contrast, in claim 1, “event data descriptive of an event to occur at an event time” is **first** received at a first computer system, and “at a time **after receipt of the event data**, ... article data descriptive of an article to be associated with the event [is received], the article data created during an electronic scanning operation.” Stated differently, while claim 1 relates to receiving article data created during an electronic scanning operation at a time after receipt of event data “descriptive of an event to occur at an event time,” Crucs describes first receiving data produced by a scanning operation for the purpose of **creating** the event data and adding the event data as an entry to a calendar application.

In view of the foregoing, Applicant respectfully submits that, contrary to the assertion of the Office Action, Crucs clearly does not provide any teaching or hint of the subject matter of claim 1 conceded by the Office Action to be missing from Liu. Accordingly, Applicant respectfully submits that the asserted combination of Liu and Crucs would not have led to the subject matter of claim 1.

Claim 1 is thus non-obvious over Liu and Crucs.

Independent claim 14 is allowable over Liu and Crus for reasons similar to those stated above with respect to claim 1.

REJECTION UNDER 35 U.S.C. § 103 OVER LIU, CRUS, AND SHIRAI

In the rejection of claim 20 over Liu, Crus, and Shirai, the Office Action relied upon Crus as purportedly disclosing the following element of claim 20:

at a time after receipt of the event data, receiving, at the first computer system via the network, article data descriptive of an article to be associated with the event, the article data created during an electronic scanning of an identifier of the article conducted at a scanner computer system.

Office Action at 11. As explained above in connection with claim 1, Crus clearly does not provide any teaching or hint of the foregoing subject matter of claim 20.

The third reference, Shirai, was relied upon by the Office Action with respect to a different feature of claim 20, and does not remedy the deficiencies of Liu and Crus with respect to the subject matter of claim 20.

Accordingly, the asserted combination of Liu, Crus, and Shirai would not have led to the subject matter of claim 20, and therefore, claim 20 is non-obvious over Liu, Crus, and Shirai.

Dependent claims are allowable for at least the same reasons as respective base claims. In view of the allowability of base claims, the obviousness rejections of dependent claims have been overcome.

In view of the foregoing, allowance of all claims is respectfully requested.

The Commissioner is authorized to charge any additional fees and/or credit any overpayment to Deposit Account No. 08-2025 (82969831).

Respectfully submitted,

Date: June 8, 2015

/Dan C. Hu/

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Electronic Acknowledgement Receipt

EFS ID:	22563525
Application Number:	13562756
International Application Number:	
Confirmation Number:	1884
Title of Invention:	REMINDER MESSAGES
First Named Inventor/Applicant Name:	Puneet Kumar Arora
Customer Number:	22879
Filer:	Dan C. Hu/Cathy Hayes
Filer Authorized By:	Dan C. Hu
Attorney Docket Number:	82969831
Receipt Date:	08-JUN-2015
Filing Date:	31-JUL-2012
Time Stamp:	14:35:35
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	hpc2193.pdf	87412 8260119d62bdc618d20734f067dc82f2f3d76677	no	1

Warnings:

Information:

2		2193-ROA-03-06-15.pdf	<div>113979</div> <div>9774d74932befc1662c158c80a27a4037df0190b</div>	yes	9
	Multipart Description/PDF files in .zip description				
	Document Description	Start	End		
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1		
	Claims	2	5		
	Applicant Arguments/Remarks Made in an Amendment	6	9		
Warnings:					
Information:					
Total Files Size (in bytes):			201391		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
3404 E. Harmony Road
Mail Stop 35
Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 82969831

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Puneet Kumar Arora, et al

Confirmation No.: 1884

Application No.: 13/562756

Examiner: YUN, CARINA

Filing Date: Jul 31, 2012

Group Art Unit: 2194

Title: REMINDER MESSAGES

Mail Stop Amendment
Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Transmitted herewith is/are the following in the above-identified application:

- ☒ Response/Amendment
☐ New fee as calculated below
☒ No additional fee
☐ Other _____

- ☐ Petition to extend time to respond
☐ Supplemental Declaration

Fee\$ _____

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	20	MINUS	20	= 0	X \$80	\$ 0
INDEP. CLAIMS	3	MINUS	3	= 0	X \$420	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$780	\$ 0
EXTENSION FEE	<input type="checkbox"/> 1st Month \$200	<input type="checkbox"/> 2nd Month \$600	<input type="checkbox"/> 3rd Month \$1400	<input type="checkbox"/> 4th Month \$2200		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Puneet Kumar Arora, et al

By: /Dan C. Hu, Reg. No. 40,025/

Dan C. Hu

Attorney/Agent for Applicant(s)

Reg No. : 40025

Date: JUNE 8, 2015

Telephone : +713-468-8880

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/562,756	Filing Date 07/31/2012	<input type="checkbox"/> To be Mailed
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 ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	(Column 1)	(Column 2)	(Column 3)	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	06/08/2015	CLAIMS REMAINING AFTER AMENDMENT					
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X \$80 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X \$420 =	0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))						
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
TOTAL ADD'L FEE							0

AMENDMENT	(Column 1)	(Column 2)	(Column 3)	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
		CLAIMS REMAINING AFTER AMENDMENT					
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))						
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
TOTAL ADD'L FEE							

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

 LIE
/JAMES TUNSTALL/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/562,756	07/31/2012	Puneet Kumar Arora	82969831	1884

22879 7590 03/06/2015
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
3404 E. Harmony Road
Mail Stop 35
FORT COLLINS, CO 80528

EXAMINER

YUN, CARINA

ART UNIT	PAPER NUMBER
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2194

NOTIFICATION DATE	DELIVERY MODE
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03/06/2015

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

JERRY.SHORMA@HP.COM
ipa.mail@hp.com
brandon.serwan@hp.com

Office Action Summary	Application No. 13/562,756	Applicant(s) ARORA ET AL.	
	Examiner CARINA YUN	Art Unit 2194	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07/31/2012.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) _____ is/are allowed.
- 7) ☒ Claim(s) 1-20 is/are rejected.
- 8) ☐ Claim(s) _____ is/are objected to.
- 9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 07/31/2012 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 3) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date <u>07/31/2012</u> | 4) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Examiner Notes

1. Examiner cites particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested that, in preparing responses, the applicant fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

Notice of Pre-AIA or AIA Status

2. The present application is being examined under the pre-AIA first to invent provisions.

3. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

Information Disclosure Statement

4. The information disclosure statement filed 07/31/2012 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because item 1 US-818037 does not appear to be the correct patent number and examiner was unable to locate the reference. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609.05(a).

Claim Rejections - 35 USC § 101

5. 35 U.S.C. 101 reads as follows:

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Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

6. Claims 14-19 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Regarding claims 14-19, recites a system containing modules such as "an event data module," "a reminder data module," "an article data module," and "a reminder sending module" which are all software modules, see ¶ [0024] of specification, the claimed system appears to be directed to software per se which is non-statutory subject matter.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

8. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary.

Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of

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each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

9. Claims 1-3, 5-14, and 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liu et al. (U.S. PG PUB 2009/0168607) in view of Cruce (U.S. PG PUB 2012/0226779).

Regarding claim 1, Liu teaches a non-transitory computer-readable storage medium containing instructions, the instructions when executed by a processor causing the processor to (see ¶ [0017] processor): receive at a first computer system, via a network, event data descriptive of an event to occur at an event time (see ¶ [0023] receiving schedules); receive via the network (see ¶ [0020] network), reminder data descriptive of a reminder time to occur on or before the event time (see ¶ [0023] generating multiple reminders).

Liu does not expressly disclose at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation; and at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system.

However, Cruce teaches at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation (see ¶ [0011] “The method step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement”); and at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system (see ¶ [0039] “The AEF 380 uses the event information to automatically create at least one event entry for the advertised event within the

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electronic calendar application” and ¶ [0031] “For example, when the date of an event is approaching, the ECA or AEF may provide a reminder notification to the user in a pop-up window on a display of the processor-based device”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crucs for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 2, Liu teaches wherein the reminder message is sent to the second computer system for presentation with a scheduled delivery of user-requested content sent to the second computer system (see ¶ [0034]).

Regarding claim 3, Liu teaches wherein the reminder message is sent to the second computer system such that, when presented, the reminder message is embedded within the content (see ¶ [0021]).

Regarding claim 5, Liu teaches wherein the event data is received in the format of an electronic calendar (see ¶ [0022] calendar application program).

Regarding claim 6, Liu teaches wherein the event is a user defined event (see ¶ [0015] user can generate user-designated calendar-driven reminder).

Regarding claim 7, Liu teaches wherein the instructions cause the processor to receive an address for the second computer system, and to send the reminder message to the second computer system at the address (see ¶ [0024]).

Regarding claim 8, Liu does not expressly disclose wherein the electronic scanning operation includes scanning of an encoded identifier associated with the article.

However, Crucs teaches wherein the electronic scanning operation includes scanning of an encoded identifier associated with the article (see ¶ [0025] “scan the two-dimensional bar code and the scanned event information is forwarded to the AEF 130. The AEF 130 automatically processes the event

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information to extract dates, times, locations, and other information (e.g., ticket prices, where to buy tickets) associated with the advertised event”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crucs for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 9, Liu does not expressly disclose wherein the reminder message includes an encoded identifier that, when electronically scanned by a scanning device and interpreted by a computer, is a link to information relating to the article.

However, Crucs teaches wherein the reminder message includes an encoded identifier that, when electronically scanned by a scanning device and interpreted by a computer, is a link to information relating to the article (see ¶ [0025] “scan the two-dimensional bar code and the scanned event information is forwarded to the AEF 130. The AEF 130 automatically processes the event information to extract dates, times, locations, and other information (e.g., ticket prices, where to buy tickets) associated with the advertised event”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crucs for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 10, Liu does not expressly disclose wherein the electronic scanning operation is conducted at a computing device that includes a camera, and the scanning operation includes of taking of a digital photograph of the article or identifier utilizing the camera.

However, Crucs teaches wherein the electronic scanning operation is conducted at a computing device that includes a camera, and the scanning operation includes of taking of a digital photograph of the article or identifier utilizing the camera (see ¶ [0022] scanner and/or camera).

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Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶ [0004]).

Regarding claim 11, Liu teaches wherein the instructions cause the processor to store the event data, the reminder data, and the article data in memory in association with one another (see ¶ [0041]).

Regarding claim 12, Liu teaches wherein the event time includes a specific day of the week or time (see Fig. 3).

Regarding claim 13, Liu teaches wherein the event time includes is the lapse of a defined time period (see Fig. 3).

Regarding claim 14, Liu teaches a system, comprising: an event data module, to receive at a first computer system, via a network, event data descriptive of an event to occur at an event time (see ¶ [0023] receiving schedules); a reminder data module, to receive via the network, reminder data descriptive of a reminder time to occur on or before the event time (see ¶ [0023] generating multiple reminders).

Liu does not expressly disclose an article data module, to, at a time following receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation; and a reminder sending module, to, at the reminder time, send a reminder message describing the event and the article to a second computer system, for presentation at the second computer system.

However, Crus teaches an article data module, to, at a time following receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation (see ¶ [0011] “The method step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement”); and a reminder sending module, to, at the reminder time, send a reminder message

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describing the event and the article to a second computer system, for presentation at the second computer system (see ¶ [0039] “The AEF 380 uses the event information to automatically create at least one event entry for the advertised event within the electronic calendar application” and ¶ [0031] “For example, when the date of an event is approaching, the ECA or AEF may provide a reminder notification to the user in a pop-up window on a display of the processor-based device”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

Regarding claim 17, Liu teaches wherein the event data is received in the format of an electronic calendar and the event is a user defined event (see ¶ [0015] user can generate user-designated calendar-driven reminder).

Regarding claim 18, Liu does not expressly disclose wherein the electronic scanning operation includes scanning of a barcode or other encoded identifier associated with the article.

However, Crus teaches wherein the electronic scanning operation includes scanning of a barcode or other encoded identifier associated with the article (see ¶ [0025] “scan the two-dimensional bar code and the scanned event information is forwarded to the AEF 130. The AEF 130 automatically processes the event information to extract dates, times, locations, and other information (e.g., ticket prices, where to buy tickets) associated with the advertised event”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crus for facilitating the entry of events into an electronic calendar application (see ¶[0004]).

10. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Liu et al. (U.S. PG PUB 2009/0168607) in view of Crus (U.S. PG PUB 2012/0226779, further in view of Smith (U.S. PG PUB 2012/0114891).

Art Unit: 2194

Regarding claim 4, Liu and Cruce do not disclose wherein the second computer system is a printer, and the presentation of the reminder message includes printing the reminder message at the printer.

However, Smith teaches wherein the second computer system is a printer, and the presentation of the reminder message includes printing the reminder message at the printer (see ¶[0005]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Cruce by adapting the teachings of Smith for the purposes of printing reminders or notes for convenience.

11. Claims 15-16 and 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liu et al. (U.S. PG PUB 2009/0168607) in view of Cruce (U.S. PG PUB 2012/0226779, further in view of Shirai (U.S. PG PUB 2006/0044594).

Regarding claim 15, Liu and Cruce do not disclose wherein the reminder message is sent to the second computer system along with a scheduled delivery of user-requested content sent to the second computer system for printing.

However, Shirai teaches wherein the reminder message is sent to the second computer system along with a scheduled delivery of user-requested content sent to the second computer system for printing (see ¶[0011], ¶ [0019]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Cruce by adapting the teachings of Shirai for managing a print schedule efficiently.

Regarding claim 16, Liu and Cruce do not disclose wherein reminder message is sent to the second computer system such that, when printed, the reminder message is embedded within the content. However, Shirai teaches wherein reminder message is sent to the second computer system such that, when printed, the reminder message is embedded within the content (see ¶ [0126]).

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Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Cruce by adapting the teachings of Shirai for managing a print schedule efficiently.

Regarding claim 19, Liu and Cruce do not expressly disclose wherein the second computer system is a network connected printer, and the presentation of the reminder message includes printing the reminder message at the printer.

However, Shirai teaches wherein the second computer system is a network connected printer, and the presentation of the reminder message includes printing the reminder message at the printer (see ¶ [0126]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Cruce by adapting the teachings of Shirai for managing a print schedule efficiently.

Regarding claim 20, Liu teaches a method, comprising: receiving at a first computer system, via a network and in the format of an electronic calendar (see ¶ [0034] calendar user application), event data descriptive of an event to occur at an event time (see ¶ [0023] receiving schedules); receiving via the network (see ¶ [0020] network), reminder data descriptive of a reminder time to occur on or before the event time (see ¶ [0023] generating multiple reminders).

Liu does not expressly disclose receiving an address for a network connected printer; at a time after receipt of the event data, receiving via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning of a barcode conducted at a computer system; and at the reminder time sending a reminder message describing the event and the article to the printer at the address, for printing at the printer, wherein the reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer.

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However, Crucs teaches at a time after receipt of the event data, receiving via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning of a barcode conducted at a computer system (see ¶ [0011] “The method step of receiving the event-identifying code may include electronically scanning the event-identifying code from a printed or displayed advertisement, electronically imaging the event-identifying code from a printed or displayed advertisement”); and at the reminder time sending a reminder message describing the event (see ¶ [0039] “The AEF 380 uses the event information to automatically create at least one event entry for the advertised event within the electronic calendar application” and ¶ [0031] “For example, when the date of an event is approaching, the ECA or AEF may provide a reminder notification to the user in a pop-up window on a display of the processor-based device”).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teachings of Liu by adapting the teachings of Crucs for facilitating the entry of events into an electronic calendar application (see ¶ [0004]).

Liu and Crucs do not disclose receiving an address for a network connected printer; sending the article to the printer at the address, for printing at the printer, wherein the reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer.

However, Shirai teaches receiving an address for a network connected printer (see ¶ [0081]); sending the article to the printer at the address, for printing at the printer, wherein the reminder message is sent to the printer along with a scheduled delivery of user-requested content to the printer (see ¶ [0126]).

Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Liu and Crucs by adapting the teachings of Shirai for managing a print schedule efficiently.

Support for Amendments and Newly Added Claims

12. Applicants are respectfully requested, in the event of an amendment to claims or submission of new claims, that such claims and their limitations be directly mapped to the specification, which provides support for the subject matter. This will assist in expediting compact prosecution. MPEP 714.02 recites: “Applicant should also specifically point out the support for any amendments made to the disclosure. See MPEP § 2163.06. An amendment which does not comply with the provisions of 37 CFR 1.121(b), (c), (d), and (h) may be held not fully responsive. See MPEP § 714.” **Amendments not pointing to specific support in the disclosure may be deemed as not complying with provisions of 37 C.F.R. 1.121(b), (c), (d), and (h) and therefore held not fully responsive.** Generic statements such as “Applicants believe no new matter has been introduced” may be deemed insufficient.

Interview Requests

13. In accordance with 37 CFR 1.133(a)(3), requests for interview must be made in advance. Interview requests are to be made by telephone (571-270-7848) call or FAX (571-270-8848). Applicants must provide a detailed agenda as to what will be discussed (generic statement such as “discuss §102 rejection” or “discuss rejections of claims 1-3” may be denied interview). The detail agenda along with any proposed amendments is to be written on a PTOL-413A or a custom form and should be faxed (or emailed, subject to MPEP 713.01.I / MPEP 502.03) to the Examiner at least 5 business days prior to the scheduled interview. Interview requests submitted within amendments may be denied because the Examiner was not notified, in advance, of the Applicant Initiated Interview Request and due to time constraints may not be able to review the interview request to prior to the mailing of the next Office Action.

Conclusion

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CARINA YUN whose telephone number is (571)270-7848. The examiner can normally be

Art Unit: 2194

reached on Mon-Thur, 9.30am-6.30pm; alt. Fri, EST. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, SAM SOUGH can be reached on (571)272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see [http://pair-](http://pair-direct.uspto.gov)

[direct.uspto.gov](http://pair-direct.uspto.gov). Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer

Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR

CANADA) or 571-272-1000.

/CARINA YUN/

Examiner, Art Unit 2194

Notice of References Cited	Application/Control No. 13/562,756	Applicant(s)/Patent Under Reexamination ARORA ET AL.	
	Examiner CARINA YUN	Art Unit 2194	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2012/0226779	09-2012	Crucs, Kevin M.	709/219
*	B	US-2009/0168607	07-2009	Liu et al.	368/10
*	C	US-2006/0044594	03-2006	Shirai, Kenichi	358/001.14
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			


FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes 	Application/Control No. 13562756	Applicant(s)/Patent Under Reexamination ARORA ET AL.
	Examiner CARINA YUN	Art Unit 2194

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor Name Search	1/10/2015	CY
G06Q10/10; G06Q10/1093;	1/10/2015	CY
East Search	1/10/2015	CY

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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PTO/SB/08a (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Puneet Kumar Arora, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	82969831

Sheet

1

of

1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 818037	05-15-2012	Dalke, et al.	
	2	US- 7109848	09-19-2006	Schybergson	
	3	US- 7327834	02-05-2008	Hiers, et al.	
	4	US- 7447989	11-04-2008	Roussette, et al.	
	5	US- 7797204	09-14-2010	Balent	
	6	US- 7821874	10-26-2010	Liu, et al.	
	7	US- 20080005168	01-03-2008	Huff, et al.	
	8	US- 20090313299	12-17-2009	Bonev, et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
	1	GB-2472067	01-26-2011	Mackay Gavin		

Examiner
Signature

/Carina Yun/

Date
Considered

01/10/2015

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.Y./



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BIB DATA SHEET

CONFIRMATION NO. 1884

SERIAL NUMBER 13/562,756	FILING or 371(c) DATE 07/31/2012 RULE	CLASS 719	GROUP ART UNIT 2194	ATTORNEY DOCKET NO. 82969831		
APPLICANTS INVENTORS Puneet Kumar Arora, New Delhi, INDIA; Diane R. Hammerstad, Corvallis, OR; ** CONTINUING DATA ***** ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 08/09/2012						
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input type="checkbox"/> No Verified and Acknowledged <u>/CARINA YUN/</u> Examiner's Signature		<input type="checkbox"/> Met after Allowance Initials	STATE OR COUNTRY INDIA	SHEETS DRAWINGS 5	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 3
ADDRESS HEWLETT-PACKARD COMPANY Intellectual Property Administration 3404 E. Harmony Road Mail Stop 35 FORT COLLINS, CO 80528 UNITED STATES						
TITLE REMINDER MESSAGES						
FILING FEE RECEIVED 1250	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit			

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	34	Arora near2 Puneet.IN. or Hammerstad near2 Diane.IN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/09 13:10
S4	17	S2 and (event or alert)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/09 13:13
S5	7	S2 and (event or alert) and (reminder or notification)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/09 13:13
S6	30226	(G06Q10/10 OR G06Q10/1093).CPC.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/09 13:50
S7	9135	S6 and (event or alert) and (reminder or notification)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/09 13:50
S9	2776	S8 and (event or alert) and (reminder or notification) and (calendar)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/09 17:55
S10	452	S8 and (event or alert) and (reminder or notification) and (calendar) and (scanning)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/09 17:56
S11	49	S8 and (event or alert) and (reminder or notification) and (calendar) and (scanning) and (barcode near3 data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/09 17:56
S15	43	(calendar near4 event) and (notification) and (scanning near5 barcode) and (associat\$3 near4 event)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/09 18:41
S17	21	(calendar near4 event) and (notification) and (associat\$3 near4 event near4 scan\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/09 18:45
S18	11	((("0818037") or ("7109848") or ("7327834") or ("7447989") or ("7797204") or ("7821874") or ("20080005168") or ("20090313299") or ("2472067"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2015/01/10 17:28
S23	28	(receiving near4 calendar near4 reminder) and (associated near4 event)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 18:35
S24	98	(receiving near4 calendar near4 event) and (associated near4 event) and (reminder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 18:40
S27	19	(receiving near4 calendar near4 event) and (reminder near4 task)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 18:43
S33	27	(calendar near4 reminder) and (print\$3 near3 calendar near4 reminder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 19:41

S35	54	(receiving near4 calendar near4 reminder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 19:42
S36	52	(receiving near4 calendar near4 reminder) and (network)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 19:44
S37	534	(calendar near4 event) and (print\$3 with message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 21:44
S38	10	(calendar near4 event) and (print\$3 with reminder with message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 21:45
S39	150	(calendar near4 event) and (printer with message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 22:00
S40	35	(calendar near4 reminder) and (printer with message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 22:00
S41	20	(calendar near4 reminder) and (printer with reminder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 22:01
S42	11	(printing near4 reminder near4 message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 22:02
S43	15	(printer near4 reminder near4 message)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 22:03
S44	150	(network near4 printer) and (scheduled near4 delivery)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 23:08
S45	49	(network near4 printer) and (scheduled near4 delivery) and (user near3 requested)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/01/10 23:09

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<p align="center"><i>Index of Claims</i></p> 	Application/Control No. 13562756	Applicant(s)/Patent Under Reexamination ARORA ET AL.
	Examiner CARINA YUN	Art Unit 2194

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47			
CLAIM		DATE							
Final	Original	01/10/2015							
	1	✓							
	2	✓							
	3	✓							
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	19	✓							
	20	✓							



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/562,756	07/31/2012	Puneet Kumar Arora	82969831

CONFIRMATION NO. 1884

PUBLICATION NOTICE



OC00000066486670

22879
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
3404 E. Harmony Road
Mail Stop 35
FORT COLLINS, CO 80528

Title:REMINDER MESSAGES

Publication No.US-2014-0040919-A1

Publication Date:02/06/2014

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
13/562,756	07/31/2012	2833	1250	82969831	20	3

CONFIRMATION NO. 1884

22879
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
3404 E. Harmony Road
Mail Stop 35
FORT COLLINS, CO 80528

FILING RECEIPT



OC000000055898903

Date Mailed: 08/15/2012

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Applicant(s)

Puneet Kumar Arora, New Delhi, INDIA;
Diane R. Hammerstad, Corvallis, OR;

Power of Attorney: The patent practitioners associated with Customer Number 022879

Domestic Priority data as claimed by applicant

Foreign Applications (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.)

If Required, Foreign Filing License Granted: 08/09/2012

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/562,756**

Projected Publication Date: 02/06/2014

Non-Publication Request: No

Early Publication Request: No

Title

REMINDER MESSAGES

Preliminary Class

368

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NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
13/562,756

APPLICATION AS FILED - PART I

(Column 1)		(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	380
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	620
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	250
TOTAL CLAIMS (37 CFR 1.16(j))	20 minus 20 =	*			OR	x 60 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 250 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1250

APPLICATION AS AMENDED - PART II

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
Total (37 CFR 1.16(i))	*	Minus	**	=		OR	x	=
Independent (37 CFR 1.16(h))	*	Minus	***	=		OR	x	=
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
Total (37 CFR 1.16(i))	*	Minus	**	=		OR	x	=
Independent (37 CFR 1.16(h))	*	Minus	***	=		OR	x	=
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
3404 E. Harmony Road
Mail Stop 35
Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 82969831

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Patent Application Letter

Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

Transmitted herewith for filing under 37 CFR 1.53(b) is a(n):

- ☒ Utility ☐ Design
☒ original patent application
☐ continuation-in-part application

INVENTOR(S): Puneet Kumar Arora, et al

TITLE: REMINDER MESSAGES

Enclosed are:

- ☒ The Declaration and Power of Attorney ☒ Signed ☐ Unsigned or partially signed
☒ 5 Sheets of drawings (one set)
☒ IDS Form PTO/SB/08a PTO/SB/08b
☐ Priority document(s) ☐ Other _____ Fee\$ _____

CLAIMS AS FILED BY OTHER THAN A SMALL ENTITY				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) TOTALS
TOTAL CLAIMS	20 — 20	0	X \$60	\$ 0
INDEPENDENT CLAIMS	3 — 3	0	X \$250	\$ 0
ANY MULTIPLE DEPENDENT CLAIMS			\$450	\$ 0
BASIC FILING FEE:				\$ 1,250
OTHER FEES:				\$
TOTAL CHARGES TO DEPOSIT ACCOUNT:				\$ 1,250

Charge \$ 1,250 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees.

08/09/2012 SSK11 00000031 082025 13562756

01 FC:1011 380.00 DA
02 FC:1111 620.00 DA
03 FC:1311 250.00 DA

Respectfully submitted,

Puneet Kumar Arora, et al

By: /Garry A. Perry, Reg. No. 56,696/

Garry A Perry

Attorney/Agent for Applicant(s)

Reg No. : 56696

Date : Jul 31, 2012

Telephone : +1 859 422 4703

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
3404 E. Harmony Road
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Fort Collins, Colorado 80528

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☐ Priority document(s) ☐ Other _____ Fee\$ _____

CLAIMS AS FILED BY OTHER THAN A SMALL ENTITY				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) TOTALS
TOTAL CLAIMS	20 — 20	0	X \$60	\$ 0
INDEPENDENT CLAIMS	3 — 3	0	X \$250	\$ 0
ANY MULTIPLE DEPENDENT CLAIMS			\$450	\$ 0
BASIC FILING FEE:				\$ 1,250
OTHER FEES:				\$
TOTAL CHARGES TO DEPOSIT ACCOUNT:				\$ 1,250

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Puneet Kumar Arora, et al

By: /Garry A. Perry, Reg. No. 56,696/
Garry A Perry

Attorney/Agent for Applicant(s)

Reg No. : 56696

Date : Jul 31, 2012

Telephone : +1 859 422 4703

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION****PATENT APPLICATION**

RECORD ID: 82969831

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REMINDER MESSAGES

the specification of which is attached hereto unless the following box is checked:

☐ was filed _____ as US Application No. or PCT International Application
Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor(s) rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	YES: <input type="checkbox"/> NO: <input type="checkbox"/>
			<input type="checkbox"/>	YES: <input type="checkbox"/> NO: <input type="checkbox"/>
			<input type="checkbox"/>	YES: <input type="checkbox"/> NO: <input type="checkbox"/>

Power of Attorney:

As a named inventor, I hereby appoint the attorney(s) and/or agent(s) associated to Customer No. 022879 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to the address
associated with Customer Number 022879Direct Telephone Calls to:
Garry A Perry
+1 859 422 4703

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Puneet Kumar Arora

India

Full Name of Sole or First Inventor (first, middle [if any], last)

Citizenship

Inventor's Signature

Date

New Delhi Delhi India

Inventor's Residence (City, State/Province, Country, Postal Code)

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Business/Mailing Address

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION (continued)**

RECORD ID: _____

PATENT APPLICATION

82969831

Diane R Hammerstad

United States of America

Full Name of Sole or Second Inventor (first, middle [if any], last)

Citizenship

Inventor's Signature

Date

Corvallis OR 97330 United States of America

Inventor's Residence (City, State/Province, Country, Postal Code)

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Full Name of Sole or Third Inventor (first, middle [if any], last)

Citizenship

Inventor's Signature

Date

Inventor's Residence (City, State/Province, Country, Postal Code)

Business/Mailing Address

Full Name of Sole or Fourth Inventor (first, middle [if any], last)

Citizenship

Inventor's Signature

Date

Inventor's Residence (City, State/Province, Country, Postal Code)

Business/Mailing Address

Full Name of Sole or Fifth Inventor (first, middle [if any], last)

Citizenship

Inventor's Signature

Date

Inventor's Residence (City, State/Province, Country, Postal Code)

Business/Mailing Address

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION****PATENT APPLICATION**RECORD ID: **82969831**

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REMINDER MESSAGES

the specification of which is attached hereto unless the following box is checked:

☐ was filed _____ as US Application No. or PCT International Application
Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Foreign Application(s) and/or Claim of Foreign Priority

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	YES: <input type="checkbox"/> NO: <input type="checkbox"/>
			<input type="checkbox"/>	YES: <input type="checkbox"/> NO: <input type="checkbox"/>
			<input type="checkbox"/>	YES: <input type="checkbox"/> NO: <input type="checkbox"/>

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Puneet Kumar Arora

India

Full Name of Sole or First Inventor (first, middle [if any], last)

Citizenship

Inventor's Signature

Date

New Delhi Delhi India

Inventor's Residence (City, State/Province, Country, Postal Code)

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Business/Mailing Address

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION (continued)**

RECORD ID: _____

PATENT APPLICATION

82969831

Diane R Hammerstad

United States of America

Full Name of Sole or Second Inventor (first, middle [if any], last)

Citizenship


Inventor's Signature

7/31/2012
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Citizenship

Inventor's Signature

Date

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Inventor's Signature

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Citizenship

Inventor's Signature

Date

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Business/Mailing Address

REMINDER MESSAGES

BACKGROUND

[0001] People commonly create and maintain a written "shopping lists" or "to do lists" (hereinafter "procurement lists") to keep track of items to purchase. Such lists are often handwritten and hastily composed, e.g., a grocery shopping written list on the back of a used envelope or other scrap of paper.

BRIEF DESCRIPTION OF THE DRAWINGS

[0002] The accompanying drawings illustrate various embodiments and are a part of the specification. The illustrated embodiments are examples and do not limit the scope of the claims. Throughout the drawings, identical reference numbers designate similar, but not necessarily identical elements.

[0003] FIG. 1 is a block diagram illustrating a system according to various embodiments.

[0004] FIG. 2 is a block diagram illustrating a system according to various embodiments.

[0005] FIG. 3 depicts an example of associated storage of event data, reminder data, and article data, according to various embodiments.

[0006] FIG. 4 depicts an example reminder message describing an event and an article, for presentation at a computer system, according to various embodiments.

[0007] FIG. 5 is a flow diagram depicting steps taken to implement various embodiments.

[0008] The same part numbers designate the same or similar parts throughout the figures.

DETAILED DESCRIPTION OF EMBODIMENTS

[0009] Handwritten procurement lists frequently have a disadvantage of being vague and/or easily misinterpreted due to one person's difficulty in reading another persons' writing or understanding the other person's intent. For example, a person may write "chicken", "pasta", and "tomato sauce" on a procurement list. Another person, or after a few days maybe even the person who wrote the note,

may find it difficult to discern from the list details regarding the items to be procured – e.g., what brand, what quantity, and for what meal or event the chicken, pasta, and tomato sauce are to be purchased.

[00010] In other situations, a computer user may create and store an electronic procurement list on a mobile phone or other computer, rather than utilizing a handwritten list. Some computer users will create an electronic procurement list that is standalone document in a text or word processing application format. Other computer users may include a procurement list in a cell of an electronic calendar, or record individual procurement needs utilizing a “to do” application that may or may not be associated with an electronic calendar. These methods are improvements over a handwritten paper list in that the electronic list is less likely be physically misplaced or lost, e.g., left in a shopping cart or in an automobile, than a paper list. However, these conventional electronic procurement lists still have the disadvantage of being easily misplaced or lost in other manners. The electronic procurement list is essentially misplaced or lost when a computer user has created and stored multiple lists of items to be procured, and the user cannot quickly identify and retrieve a particular desired list. Similarly, an electronic procurement list is essentially misplaced or lost in a situation where a user, rather than maintaining a multitude of lists, decides to track many multiple categories of items and items associated with multiple events in a single procurement list. In this situation, a procurement list can become unwieldy to the point that a user finds it difficult and time consuming to find and retrieve descriptions of specific items to be procured.

[00011] Accordingly, various embodiments described herein were developed to enable a computer user to easily create, maintain, and retrieve, highly specific and easily understood procurement lists that are associated with defined events. In an example of the disclosure, event data that is descriptive of an event to occur at an event time is received at a first computer system via a network. Also received at the first computer system, via the network, is reminder data that is descriptive of a reminder time to occur on or before the event time. At a time after the receipt of the event data at the first computing system, the first computing system receives via the network article data that is descriptive of an

article to be procured, and the article is associated with the event. The article data is data that was created during an electronic scanning operation conducted at a computer. At the reminder time, the first computing system sends via the network to a second computer system, for presentation at the second computer system a reminder message describing both the event and the article. An advantage of the disclosure is that it makes practical a reminder service that does not require users to manually enter articles names or descriptions to create a procurement list. Another advantage of the disclosure is that it removes the need for a user to remember or identify a particular procurement list, as the list is stored in computer memory in association with a particular event and event time. In examples, the events and event times can be user-defined events and event times, e.g., "Mom's birthday" or "Our Anniversary." Another advantage of the disclosure is that the reminder message allows for easy linking of items to be procured with web pages, web sites and other internet addresses, making possible the providing of relevant advertisements, coupons, and other related information to the users of reminder service.

[00012] As used in this application, a "network" refers to a collection of computing devices interconnected by communications channels that facilitate communications and allows sharing of resources and information among the interconnected devices. In examples, the network may be a proprietary network, a secured network, an open network, an intranet, an extranet, an internet or the Internet. An "event" refers to an occasion, occurrence, incident, or other happening. For example, a bank holiday, a parent's birthday, a trip to the grocery store, and/or a scheduled time to take a medicine might each be described as an event. A "scanning operation" refers to a computer capturing in digital form and interpreting an image (an image including, but not limited to, a barcode, encoded identifier, or any other article or visual representation of an article). Examples of computers that might perform a scanning operation include, but are not limited to, optical scanners, computers with an attached handheld optical scanner unit, or smartphones, tablet computers, notebook computers, or other computing devices with an onboard camera. "Message" refers to any communication and is not meant to be limited to text or a character string. "Presentation" of content at a

computing device refers to displaying, showing, rendering or otherwise making content available for visual, auditory, tactile or other reception by a user. A "printer" or "printing device" refers to any liquid inkjet printer, solid toner-based printer, liquid toner-based printer, or any other electronic device that prints. "Printer" or "printing device" includes any multifunctional electronic device that performs a function such as scanning and/or copying in addition to printing. A "network-connected printer" refers to a printer that is connected to a network, to be capable of obtaining content, sending and receiving messages, accessing network content, and/or accessing applications via a network. An "electronic calendar" refers to a calendaring program or software that provides a user with an electronic version of a calendar. An "address" for a web site or web page refers to an identifier for the web page or web site relative to other web pages or web sites on a network (e.g., the internet), and may include, but is not limited to, a URL or other network address. "Encoded" refers to presentation in a format that is generally not readable by a human without the aid of a machine. A "link" refers to a character string, address, button, or other interactive element included within an electronic document, web page, or other application page with a first network address that, when interacted with by a user, e.g., via a user interface device, causes the loading of an electronic document, web page, or application page with a second network address.

[00013] FIG. 1 shows a first computer system 102 electronically connected to a second computer system 104 and scanner computer system 106 via a network 108. First computer system 102 represents generally any computing device or group of computing devices configured to send and receive network requests, send and receive data, and/or otherwise communicate with, scanner computer system 104 and second computer system 106. In examples, first computer system 102 may be or include a server, desktop computer, notebook computer, mobile device, tablet computer, and/or any other computing device.

[00014] Second computer system 104 represents generally any computing device or group of computing devices configured to send and receive network requests, send and receive data, and/or otherwise communicate with, first computer system 102. In examples, second computer system 104 may be or

include a server, desktop computer, notebook computer, mobile device, tablet computer, and/or any other computing device. In one example, second computer system 104 is a printer operable to produce a printed print job or printed content, and additionally operable to receive network requests, instructions, reminder messages, and other data from, and to send network requests, instructions, reminder messages, and other data to, and to otherwise communicate with computer system 102 over network 108.

[00015] Scanner computer system 106 represents generally any computing device or group of computing devices configured to perform a scanning operation 110, send and receive network requests, send scan data and other data to, and otherwise communicate with, computer system 102. In an example, the scanner computer system 106 may be, or include, a flatbed scanner or other optical scanner device. In another example, the scanner computer system may include a handheld optical scanner unit configured to scan and interpret one dimensional or two dimensional barcodes or other encoded identifiers. In another example, the scanner computer system 106 may be a smartphone, tablet computer, notebook computer, or other mobile computing device with an onboard camera, the camera used for scanning encoded images or other images.

[00016] Network 108 represents generally hardware components and computers interconnected by communications channels that allow sharing of resources and information. Network 108 may include a cable, wireless, fiber optic, or remote connection via a telecommunication link, an infrared link, a radio frequency link, or some combination of these, or any other connectors or systems that provide electronic communication. Network 108 may include, at least in part, an intranet, the internet, or a combination of both. Network 108 may also include intermediate proxies, routers, switches, load balancers, and the like. The paths followed by network 108 between the first computer system 102, the second computer system 104, and the scanner computer system 106 as depicted in FIG. 1 represent the logical communication paths between these devices, not necessarily the physical paths between the devices.

[00017] First computer system 102 is shown to include an event reminder service 112, a processor 114, and a memory 116. Event reminder service 112

represents generally any combination of hardware and programming configured to enable a computer user to cause the creation of event-specific procurement reminder messages, and to cause the sending of such messages to a computer system for display to the user at an established reminder time. Processor 114 represents generally any instruction execution system, such as a computer/processor based system or an ASIC (Application Specific Integrated Circuit), a computer, or other system that can fetch or obtain instructions or logic stored in memory 116 and execute the instructions or logic contained therein. Memory 116 represents generally any memory configured to store program instructions and other data.

[00018] In the example of FIG. 1, the event reminder service 112 executing at the first computer system 102 receives, via a network 108, event data 118 that is descriptive of an event to occur at an event time. In examples, the event reminder service 112 may receive the event data 118 from any computer system or computing device or computing service, including but not limited to the scanner computer system, 106, the second computer system, 104, or from another service (e.g., a calendar service) executing at first computer system 102. In examples, the event may be any occasion, occurrence, incident, or other happening. In example, the event may a user-defined event, such as "Mom's Birthday" or "Susan's Soccer Game." In another the example, the event may be an event that is predefined by a calendar service or other application, e.g., a national holiday applicable to a user. In yet another example, the event may be an event that is predefined by a calendar service that includes events specific to a profession, hobby, or other interest of a user, e.g., a calendar that is specific to a particular soccer team and includes game days and times for that team. In an example, the event time for the event may be expressed as, or otherwise include, a specific day of the week and/or time. For example "Susan's Soccer Game – 5:00 p.m. Saturday June 8, 2012." In another example, the event time for the event may be expressed as, or otherwise include, the lapse of a defined time period. For example, "Family Reunion to Occur in Two Weeks."

[00019] Continuing with the example of FIG. 1, the event reminder service 112 receives, via the network 108, reminder data 120 descriptive of a reminder

time to occur on or before the event time. In an example, the reminder data 120 may be data descriptive of a reminder time defined or set by a user to be "two weeks prior" to the event. In another example, the reminder data 120 may be data descriptive of a reminder time that is the same as the event time. For instance, if a "Grocery Store Visit" event is defined with an event time of "12:00 p.m. Monday", the reminder time may be set to the precise time of the event ("12:00 p.m. Monday"). In yet another example, the reminder data 120 may be data descriptive of an exact reminder date and time that is prior to the event time. For instance, if a "Grocery Store Visit" event is defined with an event time of "12:00 p.m. Monday", the reminder time may be set to the precise time of "12:00 p.m. Sunday").

[00020] At some time after the event reminder service 112 receives the event data 118, the service 112 receives via the network 108 article data 122 that is descriptive of an article to be associated with the event. The article data 122 is data that is created by a computer during an electronic scanning operation 110. In the example of FIG. 1, the scanning operation is conducted by scanner computer system 106, and after completion of the scanning operation 110 the scanner computer system 106 sends the article data 122 to the event reminder service 112 at the first computer system 112. In examples, the scanner computer system 106 may be or include a flatbed scanner, an optical scanner device, a handheld barcode reader or other handheld optical scanner unit, or a smartphone, notebook computer, tablet computer, or other mobile computing devices with an onboard camera for scanning encoded images and other images and articles.

[00021] In an example previously presented in this application in which the user-defined event is "Mom's Birthday", the article data 122 may be data created during a scanning operation in which a hand held scanner unit is utilized to scan a barcode in a printed catalog, the barcode associated with a sweater to be purchased in connection with the birthday. In another example previously presented in this application in which the user-defined event is "Susan's Soccer Game", the article data 122 may be data created during a scanning operation in which a smartphone with a camera is utilized to scan barcodes included within

tags on equipment to be brought to the game. For instance a user might create the article data by scanning barcodes on items in the user's garage or sports equipment room, the data indicative of equipment and other items to be brought to the soccer game. Similarly, in another example previously presented in this application in which the user-defined event is a "Family Reunion to Occur in Two Weeks", the article data 122 may be data created during a scanning operation in which a smartphone with a camera is utilized to scan barcodes on packaging of food items to be brought, or purchased and brought, to the family reunion. For instance, such scanning may be a scanning operation in which items are scanned that already in inventory, e.g., in the family refrigerator. In another instance, such scanning may be a scanning operation in which food items are scanned during a first grocery store visit, such that the article data can be used to in a reminder for a second grocery store visit closer to the date of the family reunion.

[00022] At the reminder time, the event reminder service 112 sends to the second computer system 104, via the network 108, a reminder message 124 describing the event and the associated article. The event reminder service 112 sends the reminder message 124 to the second computer system 104 in order that the second computer system 104 present 126 the reminder message 124 to a user. In one example, the second computer system 104 includes a monitor, touchscreen, or other visual display device and the presentation includes a visual display of the reminder at the display device. In another example, the second computer system 104 is a printer, and presentation of the reminder message 124 at the second computer system includes a printing of the reminder message 124 at the printer. In another example, the second computer system 104 includes a speaker or other auditory display device, and the presentation of the reminder message 124 at the second computer system 104 is an auditory display (e.g., a spoken word or musical auditory display). In another example, the second computer system 104 may present the reminder message using a combination of two or more of a visual display at a monitor or screen, a printing of the reminder message 124, and/or an auditory display of the reminder message 124.

[00023] The functions and operations described with respect to event reminder service 112 and first computer system 102 may be implemented as a non-transitory computer-readable storage medium containing instructions executed by a processor (e.g., processor 114) and stored in a memory (e.g., memory 116). In a given implementation, processor 114 may represent multiple processors, and memory 116 may represent multiple memories. Processor 114 represents generally any instruction execution system, such as a computer/processor based system or an ASIC, a computer, or other system that can fetch or obtain instructions or logic stored in memory 116 and execute the instructions or logic contained therein. Memory 116 represents generally any memory configured to store program instructions and other data.

[00024] FIG. 2 is a block diagram illustrating a system according to various embodiments. FIG. 2 includes particular components, modules, etc. according to various embodiments. However, in different embodiments, more, fewer, and/or other components, modules, arrangements of components/modules, etc. may be used according to the teachings described herein. In addition, various components, modules, etc. described herein may be implemented as one or more software modules, hardware modules, special purpose hardware (e.g., application specific hardware, application specific integrated circuits (ASICs), embedded controllers, hardwired circuitry, etc.), or some combination of these.

[00025] FIG. 2 shows a reminder server system 202 electronically connected to a printer 204 and a computing device 206 via an internet 208. Reminder server system 202 represents generally any computing device or group of computing devices configured to send and receive network requests, send and receive content, and otherwise communicate with 204 and computing device 206. In examples, reminder server system 202 may be or include a server, desktop computer, notebook computer, mobile device, tablet computer, and/or any other computing device.

[00026] Printer 204 represents generally a printer computing device that is operable to produce a printed print job or printed content. In this example, printer 204 is a network connected printer additionally operable to send network requests, print jobs and other content to, receive network requests, print jobs,

and other content from, and otherwise communicate with reminder server system 202 over internet 208. In another example, not shown in FIG. 2, the printer 204 may be a printer that is indirectly connected to the internet, e.g., the printer is connected to a desktop computer, notebook computer, or other host computing device that is connected to the internet 208. In the latter example, the host computing device may be any computing device or system configured to send and receive network requests, send and receive content (including sending print jobs), and otherwise communicate with printer 204.

[00027] Computing device 206 represents generally a computing device, or group of computing devices, configured to send and receive network requests, send content to, and otherwise communicate with, reminder server system 202. In examples, computing device 206 may be a smartphone, tablet computer, notebook computer, desktop computer, or any other computing device.

[00028] Internet 208 represents generally hardware components and computers interconnected by communications channels that allow sharing of resources and information over an internet or intranet network, or over a combination of both. Internet 208 may include a cable, wireless, fiber optic, or remote connection via a telecommunication link, an infrared link, a radio frequency link, or some combination of these, or any other connectors or systems that provide electronic communication. Internet 208 may also include intermediate proxies, routers, switches, load balancers, and the like. The paths followed by internet 208 between reminder server system 202, printer 204, and computing device 206 as depicted in FIG. 2 represent the logical communication paths between these devices, not necessarily the physical paths between the devices.

[00029] Reminder server system 202 is shown to include an event reminder service 212, an associated data storage database 226, a processor 214, and a memory 216. Event reminder service 212 represents generally any combination of hardware and programming configured to enable creation of event-specific procurement reminder messages, and cause sending of such messages to a computer system for display to the user at an established reminder time. The service 212 includes an event data module 274, a reminder data module 276, an

article data module 278, an address module 280, an association module 282, and a reminder sending module 284. Associated data storage database 226 represents generally a database, registry, lookup table or list that associates event data, reminder data, and article data in memory in association with one another. Processor 214 represents generally any instruction execution system, such as a computer/processor based system or an ASIC, a computer, or other system that can fetch or obtain instructions or logic stored in memory 216 and execute the instructions or logic contained therein. Memory 216 represents generally any memory configured to store program instructions and other data.

[00030] In the example of FIG. 2, the event data module 274 included within event reminder service 212 and executing at reminder server system 202 receives, via the internet 208, event data 218 descriptive of an event to occur at an event time. In this example, the event data 218 includes a description of a "Julie's Birthday" event 236 and a "2:00 p.m. June 27 PDT" event time 238. In this example, the event data 218 is sent by the computing device 206 to the reminder server system 202, over the internet 208, and is sent in electronic calendar format. Examples of electronic calendars include, but are not limited to, Microsoft Outlook®, Lotus Notes®, and the calendar features of many PDAs and smartphones. In an example, receiving event data in electronic calendar format may include receiving an entire electronic calendar file that includes the event data. In another example, receiving event data in electronic calendar format may include receiving the event data, but less than data for an entire electronic calendar, in an electronic calendar format. Examples of electronic calendar file formats include, but are not limited to, the proprietary ".pst" or ".nsf" formats. In other examples, the event data and/or an entire electronic calendar may be received by the reminder server system 202 in a non-proprietary calendar format.

[00031] The reminder data module 276 receives, via the internet 208, reminder data 220 descriptive of a reminder time 240 to occur on or before the event time 238. In the example of FIG. 2, the reminder data 220 may be data descriptive of a reminder time 240 defined or set by a user to be "one week away" or "one week prior" to the "Julie's Birthday" event 236. In the example of FIG. 2, the computing device 206 sends, and the reminder server system 202

receives, the reminder data 220 in the electronic calendar format as the event data 218 was sent in. In an example, the event data 218 and the reminder data 220 are received contemporaneously by the reminder server system as electronic calendar data 242.

[00032] At some time following the event data module's 274 receipt of the event data 218, the computing device 206 sends, and the article data module 278 receives, article data 222 via the internet 208. In this example, the article data 222 is data including descriptions 246 of a cake, birthday decorations, a piñata, and a present (a bicycle) articles 250 to be associated with the "Julie's Birthday" event 236. The article data 222 is created by the computing device 206 during an electronic scanning operation 210. In the example of FIG. 2, the scanning operation included a user 248 at the computing device 206 taking a digital photograph of QR codes or other encoded identifiers 252 for the articles 250 utilizing a camera component 244 included within the computing device 206. For instance, the QR code identifiers 252 may QR codes included within a sales brochure for an entity that sells children's birthday cakes, party favors, and gifts via mail order. In another instance, the QR code identifiers 252 may be QR codes displayed as part of a web page that facilitates an online retail store for children's birthday items.

[00033] In the example of FIG. 2, an association module 282 of the event reminder service 212 causes the storage of the article data 222, and the previously received event data 218 and reminder data 220, in memory in association with one another. FIG. 3, in view of FIG. 2, provides an example of associated storage of event data 218, reminder data 220, and article data 222 at a database identified as "Associated Data Storage" 226 located within reminder system 202. In other examples, article data 222, event data 218, and reminder data 220, may be stored in association with one another in a database or other memory included within a computer system separate from, but electronically connectible with, reminder system 202.

[00034] In the example of FIG. 2, the computing device 206 sends, and the article data module 278 receives, a printer address 256 for the printer 204. In an example the printer address 256 is an email address for a network connected

printer 204, and the printer address 256 is supplied to the mobile computing device via user 248 input at the mobile computing device's touchscreen user interface. In another example, the printer address 256 may be an IP address for a network connected printer 204, and may be an address that was stored at computing device 206 in connection with an already accomplished printing or scanning task involving printer 204.

[00035] Continuing with FIG. 2, at the reminder time 240 designated in the reminder data 220, the reminder sending module 284 sends to the printer 204, at the printer address 256 previously received by the address module 280 and via the internet 208, a reminder message 224. The reminder message 224 includes a description 260 describing the event 236 and descriptions 246 of the articles associated with the event 236. In this example, the reminder message 224 is sent by the reminder server system 202, via the internet 208, to the printer 204 along with scheduled delivery content 262. The reminder message is sent to the printer 204 for presentation at the printer 204, in this case printing, along with the scheduled delivery content 262. In examples, the scheduled delivery content 262 may be a scheduled delivery of a magazine article, newspaper article, children's coloring page, daily crossword puzzle, recipe, or any other type of content that can be sent for presentation to a user. In examples, the automatic scheduled delivery content 262 may be scheduled for delivery at specific times and dates. In other examples, the automatic scheduled delivery content 262 may be scheduled for delivery at a defined time at regular intervals such as "6:00 p.m. PDT daily", "6:00 p.m. PDT Wednesday weekly", or "6:00 p.m. PDT daily on the last day of each month." In other examples, the automatic scheduled delivery content 262 may be scheduled for delivery at regular date intervals, such as "daily", "weekly", and "monthly", with the delivery times at irregular times according to a formula. In the example of FIG. 2, the automatic scheduled delivery content 262 is sent to a printer 204 for printing presentation to a user. In other examples of the disclosure, the automatic scheduled delivery content 262 may be content sent to a mobile phone, notebook computer, tablet computer, gaming computer, or any other computing device.

[00036] In the example of FIG. 2, the reminder sending module 284 sends the reminder message 224 to the printer 204 in a manner such that, when printed, the reminder message 224 is embedded within the content 224 that was previously scheduled for automatic delivery. The printed output 264 includes the content previously scheduled for automatic delivery 224, and also, as an item embedded with the previously scheduled delivery content 224, the printed reminder message 224.

[00037] FIG. 4 provides additional detail of the printed output 264 of FIG. 2. In this example of FIG. 4, in view of FIG. 2, the printed output 264 produced by the printer 204 includes the printed content previously scheduled for automatic delivery 262 and the reminder message 224. In this example the reminder message includes the event description 260 "Julie's Birthday" 260, the event time 238 "one week away", and the articles descriptions 246 "cake, decorations, piñata, and present (bicycle)." In this example, the printed reminder message 224 also includes a QR code 272 that, when electronically scanned by a scanning device and interpreted by a computer, is a link to additional information relating to one or more of the articles. For instance, by scanning the QR code on the printed reminder with a mobile telephone with camera functionality, a user might access relevant advertisements, coupons, and other desired information relative to the articles and article descriptions 246.

[00038] The functions and operations described with respect to event reminder service 212 and reminder server system 202 may be implemented as a non-transitory computer-readable storage medium containing instructions executed by a processor (e.g., processor 214) and stored in a memory (e.g., memory 216). In a given implementation, processor 214 may represent multiple processors, and memory 216 may represent multiple memories. Processor 214 represents generally any instruction execution system, such as a computer/processor based system or an ASIC, a computer, or other system that can fetch or obtain instructions or logic stored in memory 216 and execute the instructions or logic contained therein. Memory 216 represents generally any memory configured to store program instructions and other data.

[00039] FIG. 5 is a flow diagram of operation in a system according to various embodiments. In discussing FIG. 5, reference may be made to the diagram of FIG. 2 to provide contextual examples. Implementation, however, is not limited to those examples. Starting with FIG. 5, event data descriptive of an event to occur at an event time is received, via a network, at a first computer system (block 502). Referring back to FIG. 2, event data module 274 may be responsible for implementing block 502.

[00040] Continuing with FIG. 5, reminder data descriptive of a reminder time to occur on or before the event time is received via the network (block 504). Referring back to FIG. 2, reminder data module 276 may be responsible for implementing block 504.

[00041] Continuing with FIG. 5, at a time after receipt of the event data, receive via the network article data descriptive of an article to be associated with the event, the article data created during an electronic scanning operation (block 506). Referring back to FIG. 2, article data module 278 may be responsible for implementing block 506.

[00042] Continuing with FIG. 5, at the reminder time send via the network a reminder message describing the event and the article to a second computer system, for presentation at the second computer system (block 508). Referring back to FIG. 2, reminder sending module 284 may be responsible for implementing block 508.

[00043] Various modifications may be made to the disclosed embodiments and implementations without departing from their scope. Therefore, the illustrations and examples herein should be construed in an illustrative, and not a restrictive, sense.

What is claimed is:

1 1. A non-transitory computer-readable storage medium containing
2 instructions, the instructions when executed by a processor causing the
3 processor to:
4 receive at a first computer system, via a network, event data descriptive of
5 an event to occur at an event time;
6 receive via the network, reminder data descriptive of a reminder time to
7 occur on or before the event time;
8 at a time after receipt of the event data, receive via the network article data
9 descriptive of an article to be associated with the event, the article data created
10 during an electronic scanning operation; and
11 at the reminder time send via the network a reminder message describing
12 the event and the article to a second computer system, for presentation at the
13 second computer system.

1 2. The medium of claim 1, wherein the reminder message is sent to
2 the second computer system for presentation with a scheduled delivery of user-
3 requested content sent to the second computer system.

1 3. The medium of claim 2, wherein the reminder message is sent to
2 the second computer system such that, when presented, the reminder message
3 is embedded within the content.

1 4. The medium of claim 1, wherein the second computer system is a
2 printer, and the presentation of the reminder message includes printing the
3 reminder message at the printer.

1 5. The medium of claim 1, wherein the event data is received in the
2 format of an electronic calendar.

1 6. The medium of claim 1, wherein the event is a user defined event.

1 7. The medium of claim 1, wherein the instructions cause the
2 processor to receive an address for the second computer system, and to send
3 the reminder message to the second computer system at the address.

1 8. The medium of claim 1, wherein the electronic scanning operation
2 includes scanning of an encoded identifier associated with the article.

1 9. The medium of claim 1, wherein the reminder message includes an
2 encoded identifier that, when electronically scanned by a scanning device and
3 interpreted by a computer, is a link to information relating to the article.

1 10. The medium of claim 1, wherein the electronic scanning operation
2 is conducted at a computing device that includes a camera, and the scanning
3 operation includes of taking of a digital photograph of the article or identifier
4 utilizing the camera.

1 11. The medium of claim 1, wherein the instructions cause the
2 processor to store the event data, the reminder data, and the article data in
3 memory in association with one another.

1 12. The medium of claim 1, wherein the event time includes a specific
2 day of the week or time.

1 13. The medium of claim 1, wherein the event time includes is the lapse
2 of a defined time period.

1 14. A system, comprising:
2 an event data module, to receive at a first computer system, via a network,
3 event data descriptive of an event to occur at an event time;
4 a reminder data module, to receive via the network, reminder data
5 descriptive of a reminder time to occur on or before the event time;

6 an article data module, to, at a time following receipt of the event data,
7 receive via the network article data descriptive of an article to be associated with
8 the event, the article data created during an electronic scanning operation; and
9 a reminder sending module, to, at the reminder time, send a reminder
10 message describing the event and the article to a second computer system, for
11 presentation at the second computer system.

1 15. The system of claim 14, wherein the reminder message is sent to
2 the second computer system along with a scheduled delivery of user-requested
3 content sent to the second computer system for printing.

1 16. The system of claim 15, wherein reminder message is sent to the
2 second computer system such that, when printed, the reminder message is
3 embedded within the content.

1 17. The system of claim 14, wherein the event data is received in the
2 format of an electronic calendar and the event is a user defined event.

1 18. The system of claim 14, wherein the electronic scanning operation
2 includes scanning of a barcode or other encoded identifier associated with the
3 article.

1 19. The system of claim 14, wherein the second computer system is a
2 network connected printer, and the presentation of the reminder message
3 includes printing the reminder message at the printer.

1 20. A method, comprising:
2 receiving at a first computer system, via a network and in the format of an
3 electronic calendar, event data descriptive of an event to occur at an event time;
4 receiving via the network, reminder data descriptive of a reminder time to
5 occur on or before the event time;
6 receiving an address for a network connected printer;

7 at a time after receipt of the event data, receiving via the network article
8 data descriptive of an article to be associated with the event, the article data
9 created during an electronic scanning of a barcode conducted at a computer
10 system; and
11 at the reminder time sending a reminder message describing the event
12 and the article to the printer at the address, for printing at the printer, wherein the
13 reminder message is sent to the printer along with a scheduled delivery of user-
14 requested content to the printer.

REMINDER MESSAGES

ABSTRACT

In one embodiment, event data descriptive of an event to occur at an event time is received at a first computer system via a network. Reminder data, descriptive of a reminder time to occur on or before the event time, is received via the network. At a time after receipt of the event data, article data descriptive of an article to be associated with the event is received via the network. The article data is data created during an electronic scanning operation. At the reminder time a reminder message describing the event and the article is sent via the network to a second computer system, for presentation at the second computer system.

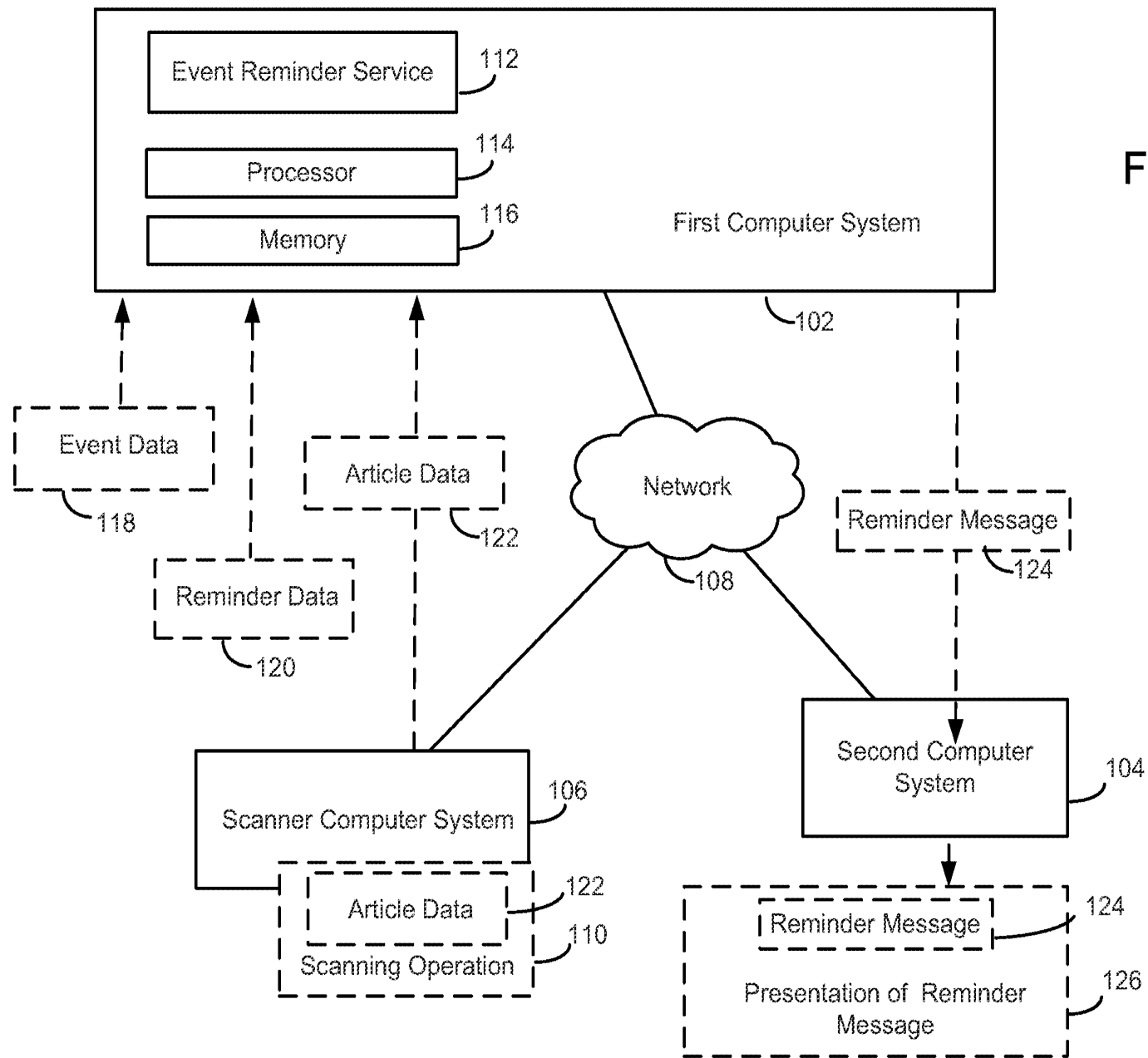
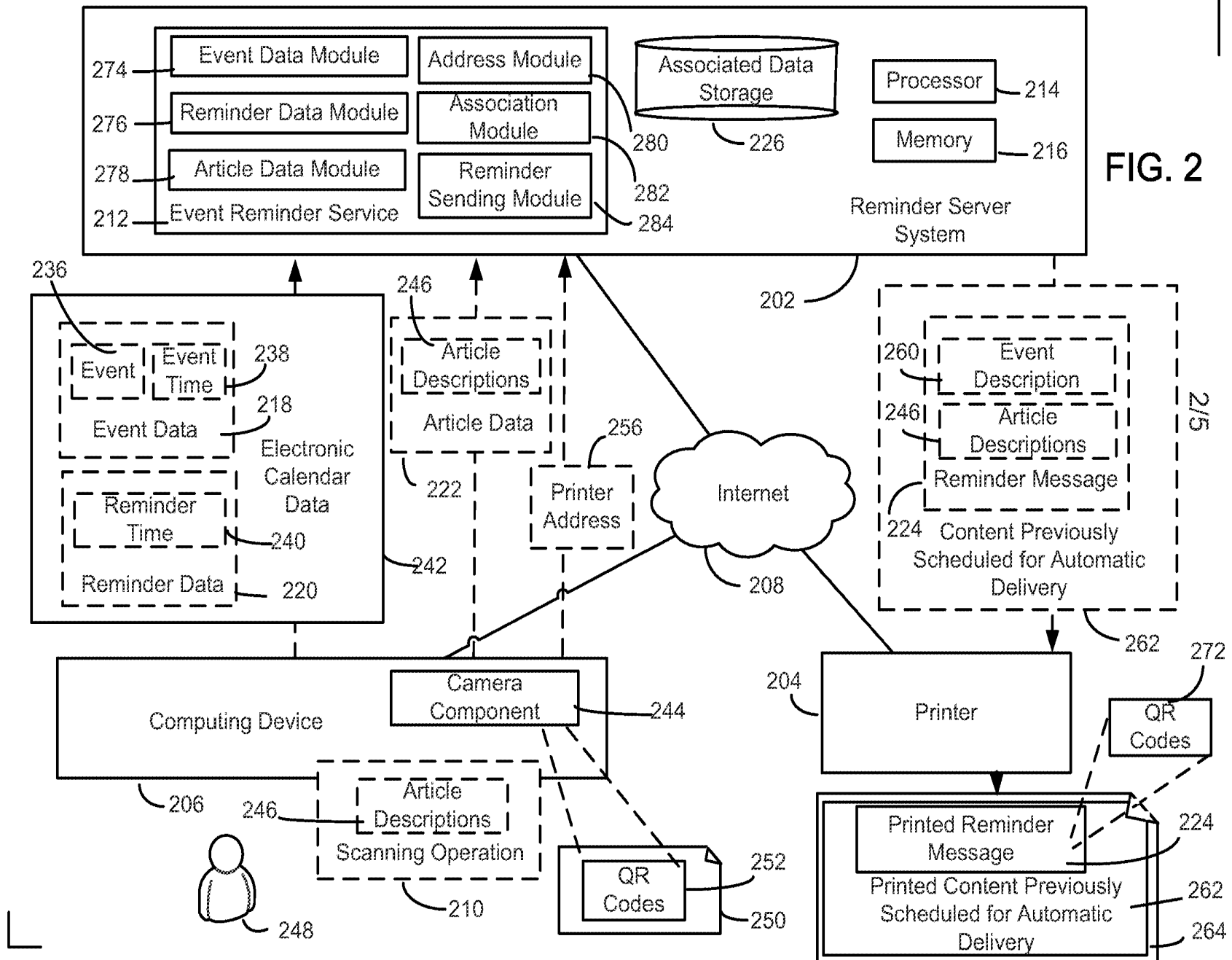


FIG. 1

FIG. 2



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Associated Data Storage			
Event Description	Event Time	Reminder Time	Associated Article Description
Julie's Birthday	2:00 pm June 27, 2012 PDT	1 week prior to event	Cake # 12345
Julie's Birthday	2:00 pm June 27, 2012 PDT	1 week prior to event	Decorations Kit # 56789
Julie's Birthday	2:00 pm June 27, 2012 PDT	1 week prior to event	Piñata #45678
Julie's Birthday	2:00 pm June 27, 2012 PDT	1 week prior to event	Present (Bicycle) # 789101
Susan's Soccer Game	5:00 pm Saturday June 8, 2012	1 week prior to event	Soccer Equipment Box # A4457
Family Reunion	May 31 12:00 pm PDT	2 weeks prior to event, every year	Food Item # 789109
Grocery Store Visit	12:00 pm every Monday	12:00 pm every Monday	Chicken #8888
Grocery Store Visit	12:00 pm every Monday	12:00 pm every Monday	Pasta #9999
Grocery Store Visit	12:00 pm every Monday	12:00 pm every Monday	Tomato Sauce #101010

FIG. 3

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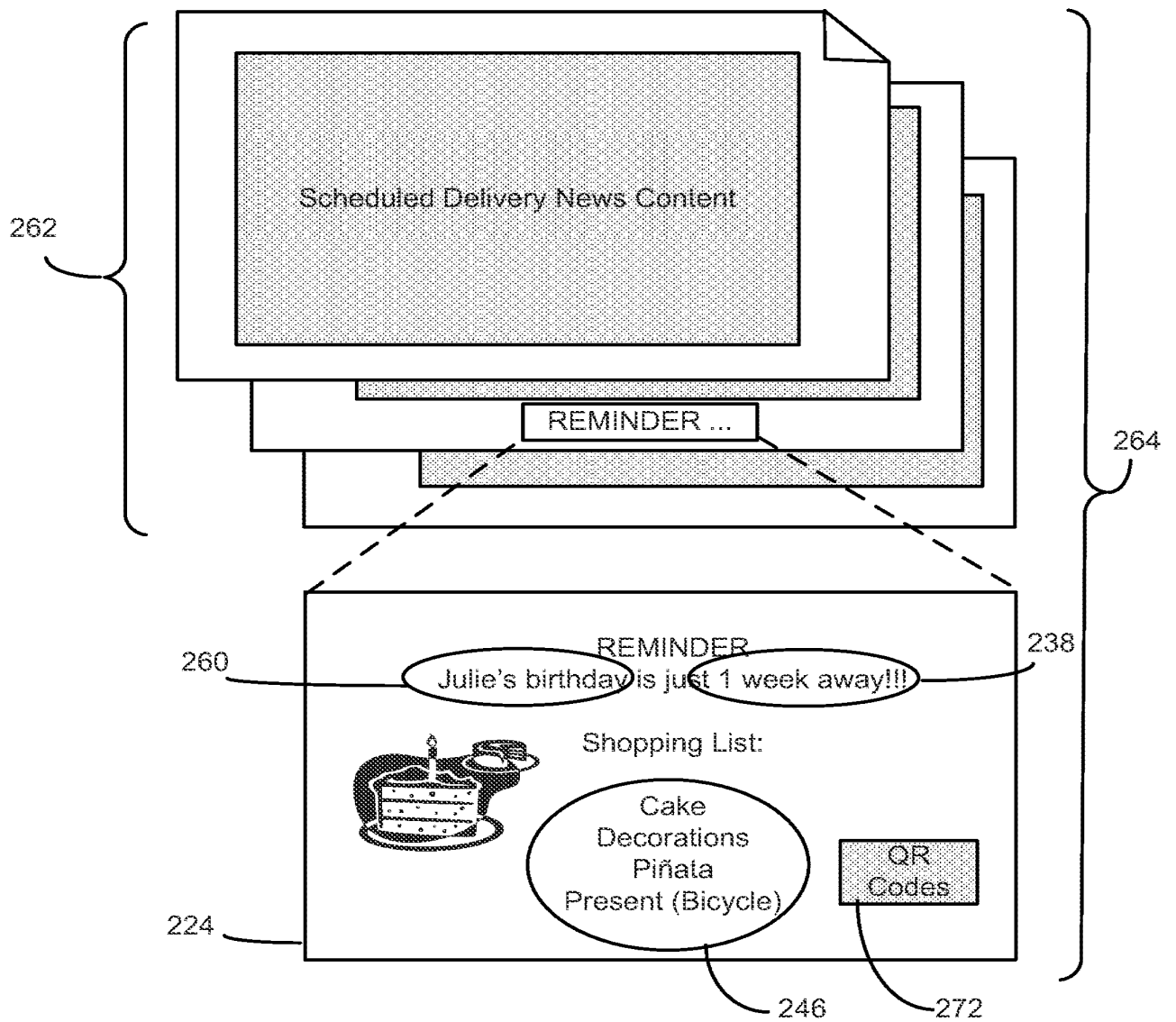


FIG. 4

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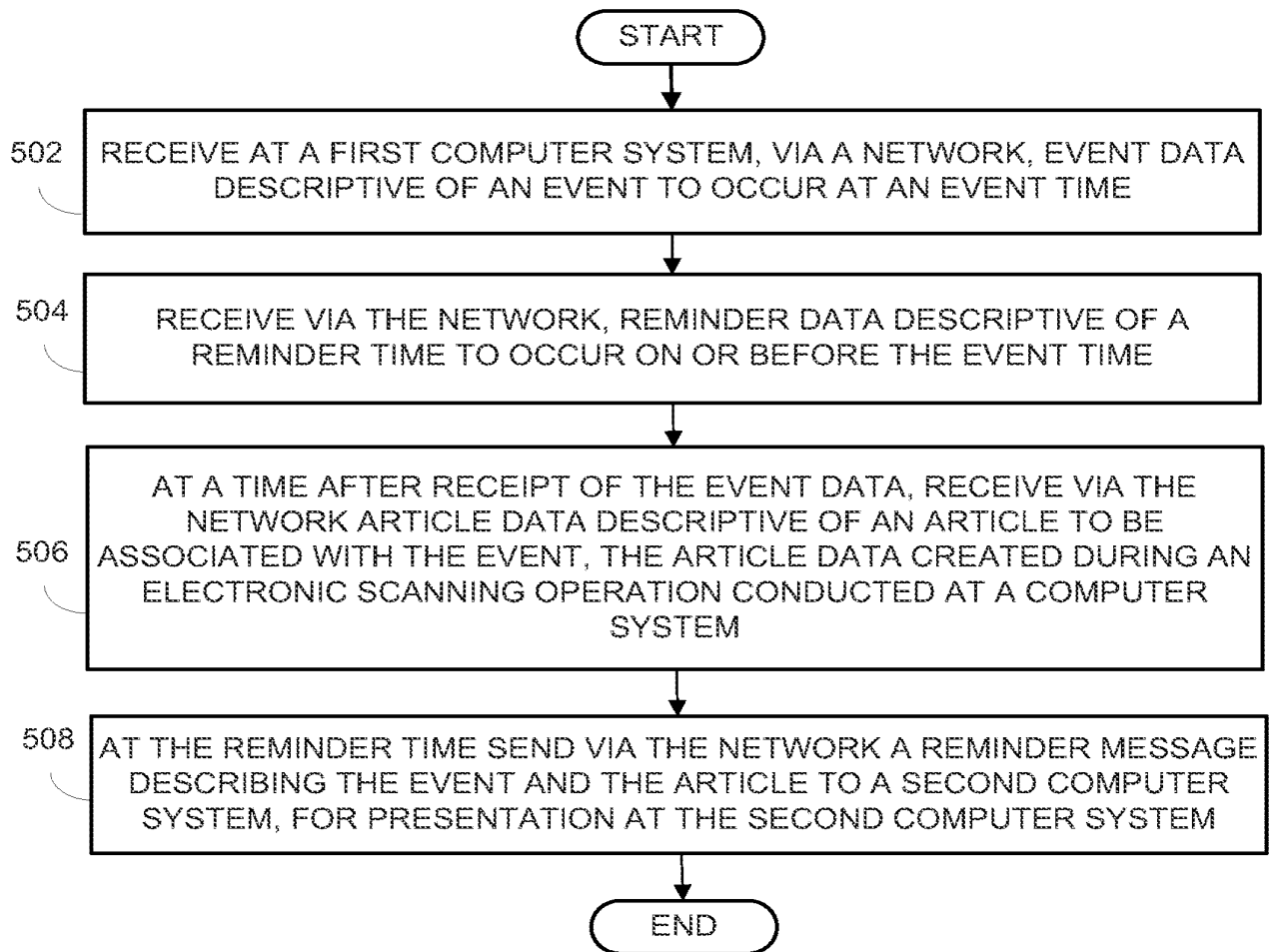


FIG. 5

Substitute for form 1449/PTO

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(Use as many sheets as necessary)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Puneet Kumar Arora, et al.
Art Unit	
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Attorney Docket Number	82969831

Sheet

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 818037	05-15-2012	Deiker, et al.	
	2	US- 7109848	09-19-2006	Schybergson	
	3	US- 7327834	02-05-2008	Hiers, et al.	
	4	US- 7447989	11-04-2008	Rousselle, et al.	
	5	US- 7797204	09-14-2010	Balent	
	6	US- 7821874	10-26-2010	Liu, et al.	
	7	US- 20080005168	01-03-2008	Huff, et al.	
	8	US- 20090313299	12-17-2009	Bonev, et al.	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	1	GB-2472067	01-26-2011	Mackay Gavin		

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GB2472067 (A)
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A domestic shopping list generator with an integral barcode scanner, a display, and an internet ordering function

Page bookmark [GB2472067 \(A\) - A domestic shopping list generator with an integral barcode scanner, a display, and an internet ordering function](#)

Inventor(s): MACKAY GAVIN [GB] ±

Applicant(s): MACKAY GAVIN [GB] ±

Classification: **- international:** [G06K7/10](#); [G06Q10/00](#)
- European: [G06Q10/087](#)

Application number: [GB20090012827](#) [20090723](#)

Priority number(s): [GB20090012827](#) [20090723](#)

Abstract of GB2472067 (A)

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A consumer uses the scanner 18,20 of a dedicated shopping list generator device 10 to read the barcode on the packaging of an item before disposal in a rubbish bin. This enables the shopping list generator to compile an editable shopping list for internet purchase. The shopping list generator 10 may automatically place an order when the number of items or the total cost reaches a threshold. The shopping list generator may communicate wirelessly with an internet hub, router or mobile phone transceiver. Cost data, allergy information, or recipes may be downloaded to the shopping list generator. RFID tags may be read instead of UPC barcodes. A removable memory (42, figures 1 and 3) may be used in conjunction with a host computer (38, figure 3) to download cost data or upload the shopping list for ordering.

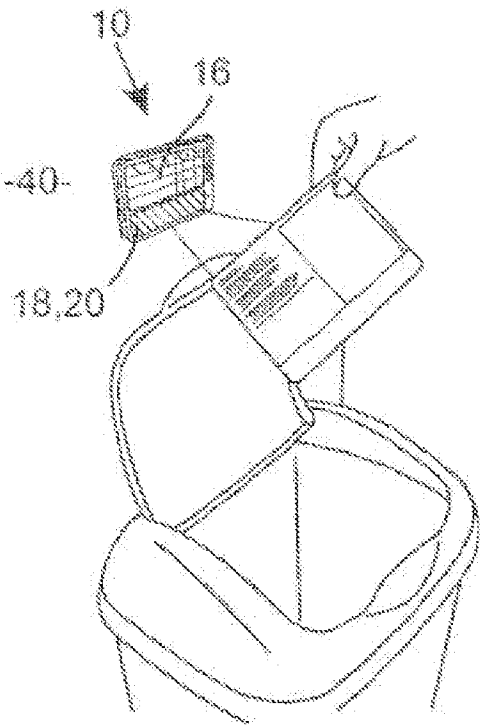


Fig. 5a

Electronic Patent Application Fee Transmittal

Application Number:

Filing Date:

Title of Invention:

REMINDER MESSAGES

First Named Inventor/Applicant Name:

Puneet Kumar Arora

Filer:

Garry A. Perry/Laura Zavala

Attorney Docket Number:

82969831

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Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1250

Electronic Acknowledgement Receipt

EFS ID:	13382509
Application Number:	13562756
International Application Number:	
Confirmation Number:	1884
Title of Invention:	REMINDER MESSAGES
First Named Inventor/Applicant Name:	Puneet Kumar Arora
Customer Number:	22879
Filer:	Garry A. Perry/Laura Zavala
Filer Authorized By:	Garry A. Perry
Attorney Docket Number:	82969831
Receipt Date:	31-JUL-2012
Filing Date:	
Time Stamp:	14:25:11
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal of New Application	82969831_TransNew.pdf	27367 eaf2c82cfccd1a03b715f8a7411d60b21a6c34aa	no	1

Warnings:

Information:

2	Oath or Declaration filed	82969831_DecPwr.pdf	527528	no	4
			ed3de553ad02bb9213415e622bfe22ad6ffa6818		
Warnings:					
Information:					
3		82969831_Application.pdf	83539	yes	20
			a6570d700758f10ed4c76f2f44aa95095b4b8f54		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	15	
	Claims		16	19	
	Abstract		20	20	
Warnings:					
Information:					
4	Drawings-only black and white line drawings	82969831_Drawings.pdf	48156	no	5
			c764d17872c492dc21ad93443e6c44ad3e0b2163		
Warnings:					
Information:					
5	Information Disclosure Statement (IDS) Form (SB08)	82969831_SB08.pdf	47255	no	1
			ce648ac5fecb1292299a3ba1aced33d529f65ad0		
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
6	Foreign Reference	GB2472067.pdf	101669	no	2
			a9e810be757de672d45ab940278c87945f9b700a		
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	32777	no	2
			ec197d046d54dc653f10d965b7cc491075744f2d		
Warnings:					
Information:					
Total Files Size (in bytes):			868291		

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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Application Number: 13562756

Document Date: 7/31/2012

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