What is claimed is:

1. A method of presenting representations of payment accepting unit events, comprising:

at a mobile device with one or more processors, memory, one or more output devices, and two or more communication capabilities:

after sending a request to a payment module via a first communication capability to initiate a transaction with a payment accepting unit associated with the payment module, obtaining a notification from the payment module via the first communication capability, wherein the notification indicates an event at the payment accepting unit associated with the payment module; and

in response to obtaining the notification, providing a representation of the notification to a user of the mobile device via the one or more output devices of the mobile device.

2. The method of claim 1, wherein the first communication capability corresponds to a short-range communication protocol.

3. The method of claim 1, wherein the one or more output devices of the mobile device include at least one of: a display, one or more speakers, one or more LEDs, and a vibration mechanism.

4. The method of claim 3, wherein the representation of the notification is at least one of:

a message displayed on the display of the mobile device;
a banner notification displayed on a display of the mobile device;
a vibration alert from the vibration mechanism of the mobile device;
an aural alert from the one or more speakers of the mobile device; and
a visual alert from the one or more LEDs of the mobile device.

5. The method of claim 1, wherein the notification indicates completion of a transaction between the user of the mobile device and the payment accepting unit.

6. The method of claim 5, wherein the notification at least includes an amount of the completed transaction, and the method further comprises:

sending at least a portion of the notification to a server via a second communication capability distinct from the first communication capability.

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7. The method of claim 6, wherein the first communication capability corresponds to a short-range communication protocol and the second communication capability corresponds to a long-range communication protocol.

8. The method of claim 1, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

9. The method of claim 1, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the payment accepting unit.

10. A mobile device, comprising:

two or more communication capabilities;

one or more output devices;

one or more processors; and

memory storing one or more programs to be executed by the one or more processors, the one or more programs comprising instructions for:

after sending a request to a payment module via a first communication capability to initiate a transaction with a payment accepting unit associated with the payment module, obtaining a notification from the payment module via the first communication capability, wherein the notification indicates an event at the payment accepting unit associated with the payment module; and

in response to obtaining the notification, providing a representation of the notification to a user of the mobile device via the one or more output devices of the mobile device.

11. The mobile device of claim 10, wherein the first communication capability corresponds to a short-range communication protocol.

12. The mobile device of claim 10, wherein the one or more output devices of the mobile device include at least one of: a display, one or more speakers, one or more LEDs, and a vibration mechanism.

13. The mobile device of claim 12, wherein the representation of the notification is at least one of:

a message displayed on the display of the mobile device;

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a banner notification displayed on a display of the mobile device;
a vibration alert from the vibration mechanism of the mobile device;
an aural alert from the one or more speakers of the mobile device; and
a visual alert from the one or more LEDs of the mobile device.

14. The mobile device of claim 10, wherein the notification indicates completion of a transaction between the user of the mobile device and the payment accepting unit.

15. The mobile device of claim 10, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

16. The mobile device of claim 10, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the payment accepting unit.

17. A non-transitory computer readable storage medium storing one or more programs, the one or more programs comprising instructions, which, when executed by a mobile device with one or more processors, one or more output devices and two or more communication capabilities, cause the mobile device to perform operations comprising:

after sending a request to a payment module via a first communication capability to initiate a transaction with a payment accepting unit associated with the payment module, obtaining a notification from the payment module via the first communication capability, wherein the notification indicates an event at the payment accepting unit associated with the payment module; and

in response to obtaining the notification, providing a representation of the notification to a user of the mobile device via the one or more output devices of the mobile device.

18. The non-transitory computer readable storage medium of claim 17, wherein the first communication capability corresponds to a short-range communication protocol.

19. The non-transitory computer readable storage medium of claim 17, wherein the one or more output devices of the mobile device include at least one of: a display, one or more speakers, one or more LEDs, and a vibration mechanism.

20. The non-transitory computer readable storage medium of claim 19, wherein the representation of the notification is at least one of:

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a message displayed on the display of the mobile device;
a banner notification displayed on a display of the mobile device;
a vibration alert from the vibration mechanism of the mobile device;
an aural alert from the one or more speakers of the mobile device; and
a visual alert from the one or more LEDs of the mobile device.

21. The non-transitory computer readable storage medium of claim 17, wherein the notification indicates completion of a transaction between the user of the mobile device and the payment accepting unit.

22. The non-transitory computer readable storage medium of claim 17, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

23. The non-transitory computer readable storage medium of claim 17, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the payment accepting unit.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/458,199	08/12/2014	Paresh K. Patel	104402-5013-US	1016

24341 7590 01/05/2015
MORGAN, LEWIS & BOCKIUS LLP (PA)
2 PALO ALTO SQUARE
3000 EL CAMINO REAL, SUITE 700
PALO ALTO, CA 94306

EXAMINER
POINVIL, FRANTZY

ART UNIT	PAPER NUMBER
3691	

NOTIFICATION DATE	DELIVERY MODE
01/05/2015	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):

padocketingdepartment@morganlewis.com
vskliba@morganlewis.com

Office Action Summary	Application No. 14/458,199	Applicant(s) PATEL, PARESH K.	
	Examiner FRANTZY POINVIL	Art Unit 3691	AIA (First Inventor to File) Status Yes

-- 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 *8/12/2014*.

☐ 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) *1-23* 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) *1-23* 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) ☒ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

Claims 1-23 are rejected under 35 U.S.C. 102(b) as being anticipated by Narayanan (US Pub. No. 2013/0166448).

As per claims 1, 10 and 17, Narayanan discloses a system, method and computer program product for facilitating a user to perform a financial transaction using a smartphone or mobile device. See the abstract of Narayanan. As with most mobile devices or smartphones, the mobile device of Narayanan comprises one or more output devices such as a display, voice, Bluetooth devices, one or more processors and memory for storing one or more programs and applications. The smartphone or mobile device further comprises a plurality of communication capabilities capable of communicating with a plurality of networks, remote terminals or computer systems. See figure 5 and paragraphs [0046] to [0047] of Narayanan. Accordingly, Narayanan discloses all the claimed invention. Particularly, Narayanan teaches or discloses:

at a mobile device with one or more processors, memory, one or more output devices, and two or more communication capabilities (see paragraph [0012]):

after sending a request to a payment module via a first communication capability to initiate a transaction with a payment accepting unit associated with the payment module, obtaining a notification from the payment module via the first communication capability, wherein the notification indicates an event at the payment accepting unit associated with the payment module (see paragraphs [0019] - [0021]); and

in response to obtaining the notification, providing a representation of the notification to a user of the mobile device via the one or more output devices of the mobile device (see paragraphs [0019] - [0021] of Narayanan).

As per claims 2, 11 and 18, Narayanan discloses the first communication capability corresponds to a short-range communication protocol. See paragraph [0030] of Narayanan.

As per claims 3, 12 and 19, Narayanan discloses the one or more output devices of the mobile device include at least one of: a display, one or more speakers, one or more LEDs, and a vibration mechanism. See paragraphs [0019] to [0021].

As per claims 4, 13 and 20, Narayanan discloses the representation of the notification is at least one of:

a message displayed on the display of the mobile device;

a banner notification displayed on a display of the mobile device;

a vibration alert from the vibration mechanism of the mobile device;

an aural alert from the one or more speakers of the mobile device; and

a visual alert from the one or more LEDs of the mobile device.

See paragraphs [0019] to [0021] of Narayanan.

As per claims 5, 14 and 21, Narayanan discloses the notification indicates completion of a transaction between the user of the mobile device and the payment accepting unit. See paragraphs [0019] to [0021] of Narayanan.

As per claim 6, Narayanan discloses the notification at least includes an amount of the completed transaction, and the method further comprises:

sending at least a portion of the notification to a server via a second communication capability distinct from the first communication capability. See paragraph [0019] of Narayanan.

As per claim 7, Narayanan discloses the first communication capability corresponds to a short-range communication protocol and the second communication capability corresponds to a long-range communication protocol. See paragraphs [0025] and [0030] of Narayanan.

As per claims 8, 15 and 22, Narayanan discloses the notification indicates abortion of a transaction initiated by the user of the mobile device. See paragraphs [0019] to [0021] of Narayanan.

As per claims 9, 16 and 23, Narayanan discloses the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the payment accepting unit. See paragraph [0019] of Narayanan.

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

> 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.

Claims 1-23 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The claims are directed towards performing an acknowledgement of a payment by a user of a mobile device responsive to a notification message from a payment system. Performing an acknowledgment of a payment is a fundamental economic practice and thus, the claims include an abstract idea. The claims do not include limitations that are "significantly more" than the abstract idea because the claims do not include an improvement to another technology or technical field, an improvement to the functioning of the computer itself, or meaningful limitations beyond generally linking the use of an abstract idea to a particular technological environment. Note that the limitations, in the instant claims, are done by the generically recited mobile device and payment module. The limitations are merely instructions to implement the abstract idea on a computer and require no more than a generic computer to perform generic computer functions that are well-understood, routine and conventional activities previously

known to the industry. Therefore, claims 1-23 are rejected under 35 U.S.C. 101 as being directed to non-statutory subject matter.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANTZY POINVIL whose telephone number is (571)272-6797. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexander Kalinowski can be reached on (571) 272-6771. 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.

/Frantzy Poinvil/
Primary Examiner
Art Unit 3691

/FP/
December 9, 2014

Electronically filed April 6, 2015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Paresh K. Patel	Confirmation No.:	1016
Serial No.:	14/458,199	Art Unit:	3691
Filed:	August 12, 2014	Examiner:	Poinvil, Frantzy
For:	*Method and System for Presenting Representations of Payment Accepting Unit Events*	Attorney Docket No.:	104402-5013-US

RESPONSE TO OFFICE ACTION
AND SUBSTANCE OF INTERVIEW

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The enclosed Amendment is in response to the Office Action dated January 5, 2015 for the above identified patent application.

The Commissioner is hereby authorized to charge any required fee(s) to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310 (order no. 104402-5013-US).

Amendments to the Specification begin on page 2.

Amendments to the Claims begin on page 13.

Remarks begin on page 18.

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IN THE CLAIMS:

Cancel claims: 2, 7, 11, and 18.

Rewrite the pending claims and add new claims as follows:

1. (Currently Amended) A method of presenting representations of vending machine ~~payment accepting unit~~ events, comprising:

at a mobile device with one or more processors, memory, one or more output devices, and a short-range transceiver ~~two or more communication capabilities~~:

establishing, via the short-range transceiver, a connection between the mobile device and a payment module coupled with a vending machine;

after establishing the connection:

initiating, via the short-range transceiver, a transaction with the vending machine;

~~after sending a request to a payment module via a first communication capability to initiate a transaction with a payment accepting unit associated with the payment module,~~ obtaining, via the short-range transceiver, a notification from the payment module ~~via the first communication capability~~, wherein the notification indicates an event at the vending machine ~~payment accepting unit associated with the payment module~~; and

in response to obtaining the notification, providing a representation of the notification to a user of the mobile device via the one or more output devices of the mobile device.

2. (Canceled)

3. (Original) The method of claim 1, wherein the one or more output devices of the mobile device include at least one of: a display, one or more speakers, one or more LEDs, and a vibration mechanism.

4. (Original) The method of claim 3, wherein the representation of the notification is at least one of:

a message displayed on the display of the mobile device;

a banner notification displayed on a display of the mobile device;

a vibration alert from the vibration mechanism of the mobile device;

an aural alert from the one or more speakers of the mobile device; and

a visual alert from the one or more LEDs of the mobile device.

5. (Currently Amended) The method of claim 1, wherein the notification indicates completion of a transaction between the user of the mobile device and the vending machine ~~payment accepting unit~~.

6. (Currently Amended) The method of claim 5, wherein the mobile device includes a long-range transceiver and further wherein the notification at least includes an amount of the completed transaction, and the method further comprises:

sending at least a portion of the notification to a server via the long-range transceiver ~~a second communication capability distinct from the first communication capability~~.

7. (Canceled)

8. (Original) The method of claim 1, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

9. (Currently Amended) The method of claim 1, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the vending machine ~~payment accepting unit~~.

10. (Currently Amended) A mobile device, comprising:

a short-range transceiver ~~two or more communication capabilities~~;

one or more output devices;

one or more processors; and

memory storing one or more programs to be executed by the one or more processors, the one or more programs comprising instructions for:

establishing, via the short-range transceiver, a connection between the mobile device and a payment module coupled with a vending machine;

after establishing the connection:

initiating, via the short-range transceiver, a transaction with the vending machine;

~~after sending a request to a payment module via a first communication capability to initiate a transaction with a payment accepting unit associated with the payment module,~~ obtaining, via the short-range transceiver, a notification from the payment module ~~via the first communication capability~~, wherein the notification indicates an event at the vending machine ~~payment accepting unit associated with the payment module~~; and

in response to obtaining the notification, providing a representation of the notification to a user of the mobile device via the one or more output devices of the mobile device.

11. (Canceled)

12. (Original) The mobile device of claim 10, wherein the one or more output devices of the mobile device include at least one of: a display, one or more speakers, one or more LEDs, and a vibration mechanism.

13. (Original) The mobile device of claim 12, wherein the representation of the notification is at least one of:

a message displayed on the display of the mobile device;
a banner notification displayed on a display of the mobile device;
a vibration alert from the vibration mechanism of the mobile device;
an aural alert from the one or more speakers of the mobile device; and
a visual alert from the one or more LEDs of the mobile device.

14. (Currently Amended) The mobile device of claim 10, wherein the notification indicates completion of a transaction between the user of the mobile device and the vending machine ~~payment accepting unit~~.

15. (Original) The mobile device of claim 10, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

16. (Currently Amended) The mobile device of claim 10, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the vending machine ~~payment accepting unit~~.

17. (Currently Amended) A non-transitory computer readable storage medium storing one or more programs, the one or more programs comprising instructions, which, when executed by a mobile device with one or more processors, one or more output devices and a short-range transceiver ~~two or more communication capabilities~~, cause the mobile device to perform operations comprising:

establishing, via the short-range transceiver, a connection between the mobile device and a payment module coupled with a vending machine;

after establishing the connection:

initiating, via the short-range transceiver, a transaction with the vending machine;

~~after sending a request to a payment module via a first communication capability to initiate a transaction with a payment accepting unit associated with the payment module,~~ obtaining, via the short-range transceiver, a notification from the payment module ~~via the first communication capability~~, wherein the notification indicates an event at the vending machine ~~payment accepting unit associated with the payment module~~; and

in response to obtaining the notification, providing a representation of the notification to a user of the mobile device via the one or more output devices of the mobile device.

18. (Canceled)

19. (Original) The non-transitory computer readable storage medium of claim 17, wherein the one or more output devices of the mobile device include at least one of: a display, one or more speakers, one or more LEDs, and a vibration mechanism.

20. (Original) The non-transitory computer readable storage medium of claim 19, wherein the representation of the notification is at least one of:

a message displayed on the display of the mobile device;

a banner notification displayed on a display of the mobile device;

a vibration alert from the vibration mechanism of the mobile device;

an aural alert from the one or more speakers of the mobile device; and

a visual alert from the one or more LEDs of the mobile device.

21. (Currently Amended) The non-transitory computer readable storage medium of claim 17, wherein the notification indicates completion of a transaction between the user of the mobile device and the vending machine ~~payment accepting unit~~.

22. (Original) The non-transitory computer readable storage medium of claim 17, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

23. (Currently Amended) The non-transitory computer readable storage medium of claim 17, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the vending machine ~~payment accepting unit~~.

24. (New) The method of claim 1, wherein the mobile device includes an accelerometer and the method further comprises:

based on data from the accelerometer, determining whether the user is walking away from the vending machine; and

in accordance with a determination that the user is walking away from the vending machine, canceling the connection.

25. (New) The method of claim 1, wherein the notification reflects a status of the transaction at the vending machine.

26. (New) The method of claim 1, further comprising:

in addition to obtaining the notification, receiving, via the short-range transceiver, a coupon that is targeted to the user of the mobile device based on the transaction.

Electronic Acknowledgement Receipt

EFS ID:	21985243
Application Number:	14458199
International Application Number:	
Confirmation Number:	1016
Title of Invention:	Method and System for Presenting Representations of Payment Accepting Unit Events
First Named Inventor/Applicant Name:	Paresh K. Patel
Customer Number:	24341
Filer:	Douglas James Crisman/Linda Quintana
Filer Authorized By:	Douglas James Crisman
Attorney Docket Number:	104402-5013-US
Receipt Date:	06-APR-2015
Filing Date:	12-AUG-2014
Time Stamp:	20:01:36
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		104402-5013-US_ResponsetoNFOA.pdf	1197811 0a75e002d275e86714fc5d77a39354d2a9b339cc	yes	22

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Specification	2	12
	Claims	13	17
	Applicant Arguments/Remarks Made in an Amendment	18	22
Warnings:			
Information:			
	Total Files Size (in bytes):	1197811	

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.

REMARKS

This amendment responds to the office action mailed January 5, 2015. In the office action the Examiner:

- rejected claims 1-23 under 35 U.S.C. 101 as being directed to non-statutory subject matter; and
- rejected claims 1-23 under 35 U.S.C. 102(b) as anticipated by U.S. Pub. No. 2013/0166448 (hereinafter "Narayanan").

MCKESSON STATEMENT

The pending application is potentially related to: U.S. Patent No. 8,856,045 which issued from U.S. Patent Application No. 14/214,644; U.S. Patent Application No. 14/456,683; U.S. Patent Application No. 14/335,762; and U.S. Design Patent Application No. 29/477,025. The Examiner is encouraged to review the art made of record, Office Actions and the Notice of Allowance(s) in the above-mentioned related application, all of which are available on PAIR.

SUBSTANCE OF INTERVIEW

Applicant's attorneys thank the Examiner's supervisor, Alexander Kalinowski, for his comments during a telephonic interview on April 2, 2015 with Alex Stein (Reg. No. 71,397). In the interview, the Examiner and Applicant's attorney discussed proposed amendments to claim 1 and potential new dependent claims. The Examiner suggested incorporating subject matter from one of the proposed new dependent claims, in order to overcome the current rejections. Accordingly, claim 1 includes the proposed amendments discussed during the interview and also includes a "vending machine," instead of a "payment accepting unit."

AMENDMENTS TO THE SPECIFICATION

Paragraphs 0056, 0057, 0066, 0071, 0072, 0073, 0079, 0081, 0089, 0091, 0095, 00109, 00128, 00133, 00140, 00145, 00148, 00156, 00162, 00165, 00167, and 00171 have been amended to correct grammatical and typographical errors. No new matter has been added.

AMENDMENTS TO THE CLAIMS

Independent claims 1, 10, and 17 have been amended. Support is found in at least paragraphs 0056, 0058, 0066, and 0094-0097 of the application as filed.

Dependent claims 5, 6, 9, 14, 16, 21, and 23 have been amended to correct references to revised antecedents in amended independent claims 1, 10, and 17.

Claims 2, 7, 11, and 18 have been canceled.

Claims 24-26 have been added. Support is found in at least paragraphs 00106 and 00169-00170 of the application as filed.

No new matter has been added.

With respect to all amendments, Applicant has not dedicated or abandoned any unclaimed subject matter. Moreover, Applicant has not acquiesced to any characterizations of the invention, nor any rejections or objections of the claims, made by the Examiner.

After entry of this amendment, the pending claims are: claims 1, 3-6, 8-10, 12-17, and 19-26.

REMARKS CONCERNING REJECTIONS UNDER 35 U.S.C. § 101

Claims 1-23 were rejected under 35 U.S.C. § 101 as allegedly reciting non-patentable subject matter. This rejection should be withdrawn for the reasons discussed below.

Claims 2, 7, 11, and 18 have been canceled, rendering the rejections of these claims under § 101 moot.

The Office Action asserts that the claims are directed to the alleged abstract idea of "performing an acknowledgement of a payment." (Office Action at page 5.) Even if the claims were directed to such an alleged abstract idea as asserted in the Office Action, the Office Action has not shown that the claims would preempt all applications of the alleged abstract idea. In addition, claim 1 has been amended to more clearly recite a practical application. For example, independent claim 1, as amended, recites:

> A method of presenting representations of vending machine events, comprising:
>
> at a mobile device with one or more processors, memory, one or more output devices, and a short-range transceiver:

establishing, via the short-range transceiver, a connection between the mobile device and a payment module coupled with a vending machine;

after establishing the connection:

initiating, via the short-range transceiver, a transaction with the vending machine;

obtaining, via the short-range transceiver, a notification from the payment module, wherein the notification indicates an event at the vending machine; and

in response to obtaining the notification, **providing a representation of the notification to a user of the mobile device via the one or more output devices of the mobile device**.

(Emphasis added.)

As emphasized above, amended claim 1 recites a specific combination of features requiring a mobile device with "a short-range transceiver" and "a payment module coupled with a vending machine." The mobile device's short-range transceiver is used to "establish[] … a connection between the mobile device and [the] payment module [that is] coupled with [the] vending machine." Then, "after establishing the connection," the mobile device 1) "initiat[es], via the short-range transceiver, a transaction with the vending machine" and 2) "obtain[s], via the short-range transceiver, a notification from the payment module." "In response to obtaining the notification," the mobile device "provide[s] a representation of the notification to a user … via the one or more output devices of the mobile device." Thus, amended claim 1 recites a specific combination of features that does not preempt all applications of the alleged abstract idea.

Moreover, the Office Action fails to show that the specific combination of features recited by the claims will "disproportionately [tie] up the use of the underlying idea," thereby preempting all applications of the abstract idea, which the Supreme Court stated is the "concern that undergirds our § 101 jurisprudence." *Alice Corporation Pty. Ltd. v. CLS Bank Int'l* , slip op. at 13). In particular, the Office Action fails to establish with factual support that the combination of claimed features would "grant a monopoly over [the] abstract idea" of performing an acknowledgement of a payment (*Id.* at 6). In fact, the Office Action does not identify a single previously known application of the alleged abstract idea that would be

preempted by the presently claimed combination of features. Rather, the Office Action merely provides conclusory statements without identifying any particular facts in the record of this application that support the stated conclusion.

For at least these reasons, the Office Action fails to establish on the record a *prima facie* case of unpatentability with respect to claim 1 and its associated dependent claims. (*See* MPEP § 2106(III)). Accordingly, withdrawal of the rejection of claim 1 and its associated dependent claims under 35 U.S.C. § 101 is therefore respectfully requested.

Independent claims 10 and 17, and their associated dependent claims, include analogous limitations as amended claim 1, and, therefore, are directed to patentable subject matter for at least the same reasons as those discussed above with respect to amended claim 1. Accordingly, withdrawal of the rejections of claims 10 and 17 and their respective dependent claims under 35 U.S.C. § 101 is respectfully requested.

REMARKS CONCERNING REJECTIONS UNDER 35 U.S.C. § 102

A. Rejection of claims 1-23 under 35 U.S.C. § 102 as anticipated by Lei.

Claims 2, 7, 11, and 18 have been canceled, rendering these rejections moot.

As emphasized above (in the section entitled "Remarks Concerning Rejections under 35 U.S.C. § 101"), amended claim 1 requires: 1) "establishing, via the short-range transceiver, a connection between the mobile device and a payment module coupled with a vending machine," 2) "after establishing the connection ... obtaining, via the short-range transceiver, a notification from the payment module," and 3) "in response to obtaining the notification, providing a representation of the notification to a user of the mobile device via the one or more output devices of the mobile device." Narayanan does not teach or suggest at least these aspects of amended claim 1. For at least this reason, there is no prima facie case of anticipation for claim 1 as amended and its dependent claims.

Furthermore, as noted in the "Substance of Interview" section above, the Examiner's supervisor agreed that amended claim 1 overcomes the current rejections.

Independent claims 10 and 17 include analogous limitations to those in amended claim 1. As such, independent claims 10 and 17 (and their dependent claims) are patentable over Narayanan for at least analogous reasons to those discussed above regarding claim 1.

Accordingly, Applicant respectfully requests that the rejections of claims 1-23 under § 102 be withdrawn.

REMARKS CONCERNING NEW DEPENDENT CLAIMS

New dependent claims 24-26 depend from, and include all limitations in, amended claim 1. As such, new dependent claims 24-26 are directed to patentable subject matter and are patentable over Narayanan for at least analogous reasons to those discussed above regarding claim 1.

CONCLUDING REMARKS

By responding in the foregoing remarks only to particular positions asserted by the Examiner, the Applicant does not necessarily acquiesce in other positions that have not been explicitly addressed. In addition, the Applicant's arguments for the patentability of a claim should not be understood as implying that no other reasons for the patentability of that claim exist.

In light of the above amendments and remarks, the Applicant respectfully requests that the Examiner reconsider this application with a view towards allowance. The Examiner is invited to call the undersigned attorney at (650) 843-4000, if a telephone call could help resolve any remaining items.

Respectfully submitted,

Date: April 6, 2015

Douglas J. Crisman 39,951
(Reg. No.)
MORGAN, LEWIS & BOCKIUS LLP
2 Palo Alto Square
3000 El Camino Real, Suite 700
Palo Alto, CA 94306
(650) 843-4000

IN THE SPECIFICATION:

Please revise the specification as follows:

Please amend paragraph number [0056] as follows:

[0056] Easy Installation: Installation is very easy, requires no tools, requires no configuration, and takes as little as 30 seconds. This is accomplished by using an adapter module 100 (sometimes also herein called "payment module 100") such as an in-line dongle (a hardware device with software thereon) design for in-line insertion within a multi-drop bus (MDB) of a payment accepting unit 120 (e.g., a vending machine) (sometimes also herein called ~~"the~~ " the machine 120"). Installation is as simple as "powering down" (turning off) the machine 120, identifying the "wire" that connects with a payment receiving mechanism (e.g., the coin mechanism), disconnecting the wire (so that there are two loose ends, such as a male connection end or adapter of an MDB and a female connection end or adapter of an MDB), plugging (inserting) the adapter module 100 in serial ("in-line") with the wire (e.g., connecting the MDB female adapter to a male adapter of the adapter module 100 and connecting the MDB male adapter to a female adapter of the adapter module 100), tucking the wire and the installed adapter module 100 back into position, and "powering up" (turning on) the machine 120. Most vending machines made since 1995 have this industry standard MDB technology, allowing ~~that would allow~~ this easy 30-second installation. On machines without MDB technology, the adapter module 100 can be configured or designed to work with other serial protocols or activate a switch. In essence the adapter module 100 simulates establishing payment on payment accepting unit 120 in much the same manner as other alternative forms of payment (e.g., cash).

Please amend paragraph number [0057] as follows:

[0057] Non-persistent Network Connection: Although payment accepting units (or "machines") that accept only cash (e.g., paper currency and coins) may not require a connection (persistent or non-persistent) to a network, traditional payment accepting units that accept cashless payments (e.g., credit cards, debit cards, and alternative mobile device payment methods using, for example, smart phones) require a persistent connection to a network (wired or wireless) to facilitate the cashless payments. In other words, without a persistent (ongoing or accessible on demand) network connection, traditional payment accepting units cannot accept cashless payments. Most traditional payment accepting units that accept cashless payments include the technology to accomplish this persistent network connection that allows them to connect to a remote server. If the network connection to a

traditional machine is temporarily interrupted, cashless payments will be temporarily unavailable. If the machine is located in a location where no network connection is available, cashless ~~payments~~ payment processing over the network connection is not possible. In addition to using a mobile device 150 as an intermediary between the payment accepting units 120 and the server 130, the mobile-device-to-machine payment processing system described herein minimizes (i.e., the manual mode) or eliminates (i.e., the hands-free mode) user interaction with the mobile device 150. Further, in some implementations, the mobile-device-to-machine payment processing system described herein facilitates the acceptance of cashless payments without requiring any network connection near the payment accepting unit 120. In some implementations, when the mobile-device-to-machine payment processing system described herein is located in a remote location where network connection is unavailable, the mobile-device-to-machine payment processing system, therefore, can still accept cashless payments.

Please amend paragraph number [0066] as follows:

[0066] Payment Accepting Unit 120 (or Machine 120): A payment accepting unit 120 (or the machine 120) is equipment that requires payment for the dispensing of ~~an~~ a product and/or service. Payment accepting units 120 may be vending machines, parking meters, toll booths, laundromat washers and dryers, arcade games, kiosks, photo booths, toll booths, transit ticket dispensing machines, and other known or yet to be discovered payment accepting units 120. Some payment accepting units 120 can accept cashless payments (payments other than cash (paper currency and coins)) by accepting payment from, for example, credit cards, debit cards, and mobile devices.

Please amend paragraph number [0071] as follows:

[0071] In-Range Heuristics: A mathematical computation that determines the RSSI threshold to determine when a user is in the authorization zone 104 and/or the payment zone 102. This computation can take into consideration numerous historical data points as well as transaction specific information such as which ~~the~~ mobile device 150 is being used, payment accepting unit type, among other factors. Preferably the RSSI is logged while the user is making his selection (this is the one time in the entire process that the user definitely will be "in range" (e.g., they will be arm's length from the machine 120 because they are physically interacting with the machine 120)). The type of user mobile device 150, accelerometer data (e.g., is the user moving or stationary), and/or other information may also be logged while the

user is making his selection. The adapter module 100 can give a reference RSSI for the payment zone 102 for the machine 120, and the application 140 can make a +/- adjustment based on the specific mobile device 150 on which it is installed. Over a period of time, the payment processing system continues to improve ~~itself~~ in-range heuristics based on additional data points.

Please amend paragraph number [0072] as follows:

[0072] Authorization Request ("AuthRequest:): When a user enters the authorization zone 104, the mobile device 150 notifies the adapter module 100 and the adapter module 100 sends a secured authorization request (e.g., the encrypted authorization request) as a "message" (also referred to as a communication or transmission ~~transmissions~~) to the server 130 via the mobile device 150. Encryption may be performed by a security unit 755 (Figure 20) with security technology (e.g., encryption and decryption means) that may be associated with the processing unit 750 and/or the memory 760. Significantly, the AuthRequest is a request for authorization of funds, not a request for authorization of a transaction. The purpose of the funds is irrelevant to the server 130.

Please amend paragraph number [0073] as follows:

[0073] Authorization Grant Token ("AuthGrant"): This is a "message" (also referred to as a communication or transmission ~~transmissions~~) encrypted by the security unit 955 (Figure 22) with security technology (e.g., encryption and decryption means) of the server 130 with the unique private key corresponding to the adapter module 100. The secured authorization grant (e.g., the encrypted authorization grant) is passed from the server 130 to the adapter module 100 via the mobile device 150 in the form of a message. The mobile device 150, however, is not able to decrypt and/or read the message. The authorization grant is in response to the authorization request. The amount of the funds granted by the AuthGrant may be determined by factors including, but not limited to, the amount of funds available (or, if funds are not available, a mini-loan could be granted), a pre-authorized amount (e.g., set by the server, set by the user during set-up, set by the funding source, or a standard amount), limited by time (e.g., only a certain amount per hour, or a predetermined amount at specific times of the day), limited to the maximum amount of an item on the machine (or enough for two or three items in the machine), or one or more of these and other factors. Significantly, the AuthGrant makes the funds available, but does not authorize a transaction. The AuthGrant may have an associated expiration period in that it may expire if it is not used in a pre-determined time

period. The length of time before the AuthGrant expires may be determined by factors including, but not limited to, the trustworthiness of the user (e.g., the user has a long history with the payment processing system or some known provider (e.g., credit card provider, bank, or credit union), the user has a good credit rating, or the user has a large wallet balance), a pre-authorized time period (e.g., set by the server, set by the user during set-up, set by the funding source, or a standard time period), limited by time (e.g., predetermined time periods at specific times of the day such as longer times during breakfast, lunch, and dinner), limited by the machine or the products or services sold in the machine, limited by the number of other users near the machine (e.g., if it is a crowded machine, the AuthGrant may expire faster), or one or more of these and other factors. The AuthGrant remains valid until it expires or some other event occurs to end its validity (e.g., the user cancels it). This means that under normal circumstances the mobile device 150 will hold the AuthGrant authorizing use of funds for a pre-determined time period that will allow the user sufficient time to make a purchase. The authorized amount may be considered to be the "wallet balance" that is held in a virtual "wallet."

Please amend paragraph number [0079] as follows:

[0079] The term "associated" is defined to mean integral or original, retrofitted, attached, connected (including functionally connected), positioned near, and/or accessible by. For example, if the user interface (e.g., a traditional display 122 (Figure 19), a touch screen display 124 (Figure 19), a key pad 126 (Figure 19), buttons 126 (Figure 19, shown as part of the key pad 126), a keyboard (not shown), and/or other input or output mechanism) is associated with a payment accepting unit 120, the user interface may be original to the payment accepting unit 120, retrofitted into the payment accepting unit 120, attached to the payment accepting unit 120, and/or [[a]] nearby the payment accepting unit 120. Similarly, adapter modules 100 may be associated with payment accepting units 120 in that the adapter modules 100 may be original to the payment accepting unit 120, retrofitted into the payment accepting unit 120, attached to the payment accepting unit 120, and/or [[a]] nearby the payment accepting unit 120.

Please amend paragraph number [0081] as follows:

[0081] As shown, the adapter module 100 <u>is</u> functionally connected bi-directionally to the payment accepting unit 120 via a wired serial connection such that no security is

necessary. The adapter module 100 is also functionally connected bi-directionally to the mobile device 150 (and its installed mobile application 140) via short-range communication technology (e.g., a Bluetooth connection). Because the mobile device 150 is not a "trusted" link (e.g., it could be hacked by a user), only secured communications (transmissions) are passed between the adapter module 100 and the mobile device 150. This keeps communications secured and safe from hacking. The mobile device 150 (and its installed mobile application 140) is also functionally connected bi-directionally to a system management server 130 and/or a funding source server 160 via long-range communication technology (e.g., Wi-Fi or Cellular connection) that preferably has appropriate security (e.g., SSL security). Security between the mobile device 150 and the system management server 130 has the advantage of protecting communications from the mobile device 150 to the system management server 130 that may include sensitive data and may not be encrypted. The system management server 130 and the funding source server 160 may be connected via a wired Internet connection with SSL security. The system management server 130 may be connected via a wired Internet connection with SSL security to an operators' server 170. Although not necessary to implement a purchase transaction, for other purposes (e.g., inventory), the operators' server 170 may be connected to the payment accepting unit 120 using a handheld computer sync or a cellular connection.

Please amend paragraph number [0089] as follows:

[0089] Whether hands-free payment is available is determined by factors including, but not limited to, whether [[if]] other mobile devices 150 are in range, if other adapter modules 100 are in range, if there are any alerts, if the payment trigger threshold is having wide variances and so deemed unstable, or if the payment accepting unit operator (e.g., a vending machine operator) has opted to disable hands-free mode for the payment accepting unit 120. In the latter instance, operators can disable via a maintenance mobile device 150, as well as through the operators' server 170 and/or the system management server 130.

Please amend paragraph number [0091] as follows:

[0091] Balance Display: An optional feature of the mobile-device-to-machine payment system that is particularly helpful in the hands-free mode (although it may be available in the manual mode and/or in a multiple-vend scenario ~~scenarios~~) is when the user's mobile device 150 sends "credit" to the payment accepting unit 120 (either via hands-free

payment or through a manual swipe), the wallet balance is sent to the payment accepting unit 120 that is then displayed to the user on a display 122, 124 of the machine 120. This is particularly beneficial during hands-free mode when the user does not retrieve the mobile device 150 and, therefore, may not know the balance. Also, in a multiple-vend scenario the user would not have to calculate a remaining balance.

Please amend paragraph number [0095] as follows:

[0095] Authorization Zone 104: The middle region is the authorization zone 104 (shown in Figures 1-2). This is a computed area based on the RSSI. As mentioned, the mobile device 150 monitors the RSSI while it is in the Bluetooth range 106. When the RSSI reaches a certain predetermined threshold based on In-Range Heuristics, the mobile device 150 can be considered to be in the authorization zone 104. In the authorization zone 104 the mobile device 150 establishes a connection to the adapter module 100 (e.g., a Bluetooth connection (Figure 5) with SSL protection (Figure 6)) and informs the adapter module 100 of its presence. After a successful handshake with the adapter module 100, the mobile device 150 registers the adapter module 100 and the adapter module 100 requests an authorization to the server 130 via the mobile ~~devices'~~ device's network connection (e.g., a Wi-Fi or cellular connection (Figure 5) with SSL protection (Figure 6)). It is important to note the mobile device 150 and the adapter module 100 have a non-exclusive relationship at this point. The adapter module 100 may collect registrations for all mobile devices 150 that are within the authorization zone 104.

Please amend paragraph number [00109] as follows:

[00109] Another option if there is no cellular or Wi-Fi coverage within any of the zones 102, 104, 106 is for the user to obtain authorization while outside of the zones in a place with cellular or Wi-Fi coverage. This may occur, for example, if a user knows that he will be going to a place with a payment accepting unit 120 equipped with an adapter module 100 (perhaps to a favorite payment accepting unit 120) that does not have (or rarely has) cellular or Wi-Fi coverage. A user may also use the mobile application 140 to query payment accepting units 120 in a given range (e.g., within 50 miles) or at a given location (e.g., at a campground or in a particular remote city) to determine whether there is cellular or Wi-Fi coverage within the zones 102, 104, 106. The user can then obtain pre-authorization from the server 130 using the mobile application 140. Again, the timing would also have to be

adjusted so that the authorization of funds (AuthGrant) does not expire before the user has a chance to make a purchase. It also means that balance updates to the server 130 may happen after the user has moved away from the machine 120 and has cellular or Wi-Fi coverage again. A mobile-device-to-machine payment system having the ability to implement this option would be able to accept cashless payments without requiring any network connection near the payment accepting unit 120. In some implementations, the mobile-device-to-machine payment processing systems described herein is located in a remote location where no signal is available, but can still ~~therefore, can~~ accept cashless payments.

Please amend paragraph number [00128] as follows:

[00128] Figures 8C and 9B generally show the user entering the payment zone. The mobile device 150 verifies that it has an unexpired and valid AuthGrant. If the AuthGrant is not good, it may be requested again, repeating the Authorization Request process (block 315). If the AuthGrant is good, the mobile device 150 sends the valid AuthGrant (including the wallet balance (block 322)) to the adapter module 100 to initiate a transaction. The mobile device 150 may issue the AuthGrant automatically without specific user interaction if the hands-free mode is supported (and the device is a favorite (block 318), there is only one device in the payment zone 102 (block 318), and (optionally) there is only one user in the authorization zone 104 (block 320)). If any of these factors are not present, the mobile device 150 will prompt and/or wait for the user to begin the transaction manually (block 324).

Please amend paragraph number [00133] as follows:

[00133] Figure 23 illustrates a schematic flow diagram of a process 1000 of authenticating a user to perform a transaction in the payment processing system in accordance with some implementations. In some implementations, the payment processing system includes one or more payment modules 100 (e.g., each associated with a respective payment accepting unit 120 such as an automatic retailing machine for dispensing goods and/or services), one or more mobile devices 150 (e.g., each executing the application 140 for the payment processing system either as a foreground or background process), and the server 130. The server 130 manages the payment processing system and, in some cases, is associated with an entity that supplies, operates, and/or manufactures the one or more payment modules 100. For brevity, the process 1000 will be described with respect to a

respective payment module 100 and a respective mobile device 150 in the payment processing system.

Please amend paragraph number [00140] as follows:

[00140] In some implementations, unused authorization grants (e.g., if there was no trigger condition or it expired) are canceled by the mobile device 150 by sending a cancellation message to the server 130 corresponding to the unused authorization grant. In some implementations, the server 130 denies or limits the number of authorization grants sent to the mobile device 150 until it has received transaction information or cancellation of ~~authorization~~ outstanding authorization grants sent to the mobile device 150.

Please amend paragraph number [00145] as follows:

[00145] In some implementations, the one or more status flags 1108 indicate a state of the payment module 100 and/or the payment accepting unit 120 associated with the payment module 100. In some implementations, the one or more status flags 1108 indicate a state of the payment module 100 such as upload information indicator 1116 indicating that that the payment module 100 has information to be uploaded to the server 130 (e.g., transaction information for one or more interrupted transactions). In some implementations, upload information indicator 1116 triggers the mobile device 150 to connect to payment module 100 immediately (e.g., if it has interrupted transaction information to be uploaded to the server 130). See Figures 25A-25B and 29A-29C and the accompanying text for further discussion regarding interrupted transactions. In some implementations, the one or more status flags 1108 indicate a state of the payment accepting unit 120 including one or more of an error indicator 1118 (e.g., indicating that a bill and/or coin acceptor of the payment accepting unit 120 is experiencing a jam, error code, or malfunction), a currency level indicator 1120 (e.g., indicating that the level of the bill and/or coin acceptor reservoir of the payment accepting unit 120 is full or empty), and/or inventory level(s) indicator 1122 (e.g., indicating that one or more products of the payment accepting unit 120 are below a predefined minimum inventory level). In some implementations, the one or more status flags 1108 are error codes issued by payment accepting unit 120 over the MDB.

Please amend paragraph number [00148] as follows:

[00148] In some implementations, the module ID 1102 is a unique identifier corresponding to the payment module 100 that broadcast the broadcast packet 1100 that included the authorization code 1104.

Please amend paragraph number [00156] as follows:

[00156] In some implementations, the authorization grant token 1140 further includes the authorization code 1104 that was included in the authorization request 1130. In some implementations, when the authorization code 1104 is the hash value, the server 130 encrypts the authorization grant token 1140 including the hashed value with the shared secret encryption key associated with payment module 100. Subsequently, when mobile device 150 sends the authorization grant token 1140 to payment module 100 after detecting a trigger condition, the payment module 100 decrypts the authorization grant token 1140 using the secret key known only to server 130 and payment module 100 (which authenticates the message and the authorization grant), and then matches the hash value included in the decrypted authorization grant token 1140 to previously broadcast valid (unexpired) hash values (i.e., auth codes) to determine validity of the hash value (which was known only by payment module 100).

Please amend paragraph number [00162] as follows:

[00162] In some implementations, the transaction status information 1160 includes an indication whether the respective transaction was completed, not-completed, or aborted. For example, the respective transaction is incomplete if a jam occurred at the payment accepting unit 120 and the user did not receive the product associated with the respective transaction. For example, if the user walks away from the payment accepting unit 120 after money was credited for the respective transaction, the respective transaction is aborted. In another example, if the respective transaction times out after a predetermined time period because the user failed to select a product at the payment accepting unit 120, the respective transaction is aborted. In another example, if the user actuates a bill or coin return mechanism of the payment accepting unit 120, the respective transaction is aborted.

Please amend paragraph number [00165] as follows:

[00165] Figure 25A illustrates a schematic flow diagram of a process 1200 of processing acknowledgement information in accordance with some implementations. In some implementations, the payment processing system includes one or more payment modules 100 (e.g., each associated with a respective payment accepting unit 120 such as an automatic retailing machine for dispensing goods and/or services), one or more mobile devices 150 (e.g., each executing the application 140 for the payment processing system either as a foreground or background process), and the server 130. The server 130 manages the payment processing system and, in some cases, is associated with an entity that supplies, operates, and/or manufactures the one or more payment modules 100. For brevity, the process 1200 will be described with respect to a respective payment module 100 associated with a respective payment accepting unit 120 (machine 120) and a respective mobile device 150 in the payment processing system. In the process 1200, the payment module 100 receives first acknowledgment information for a first transaction via the mobile device 150 that initiated the first transaction.

Please amend paragraph number [00167] as follows:

[00167] After obtaining the first notification, the payment module 100 generates (1204) first transaction information based on the first notification, and the payment module 100 stores the first transaction information. In some implementations, the first transaction information includes a transaction ID for the first transaction, a module ID corresponding to payment module 100, a user ID corresponding to the mobile device 150, transaction status information indicating that the first transaction is complete, and the transaction amount indicated by the first notification. In some implementations, the payment module 100 retains the authorization code included in the original broadcasted packet and/or the authorization grant token and includes the authorization code in the first transaction information. In some implementations, the authorization code is encrypted with a secret key corresponding to the payment module 100, which is shared with the server 130 but not the mobile device 150. In some implementations, the first transaction information further includes other information such as the machine status information included in the first notification or transaction information corresponding to previous interrupted transaction(s). See Figure 24D and the accompanying text for further discussion regarding transaction information 1150.

Please amend paragraph number [00171] as follows:

[00171] Figure 25B illustrates a schematic flow diagram of a process 1250 of processing interrupted transactions in accordance with some implementations. In some implementations, the payment processing system includes one or more payment modules 100 (e.g., each associated with a respective payment accepting unit 120 such as an automatic retailing machine for dispensing goods and/or services), one or more mobile devices 150 (e.g., each executing the application 140 for the payment processing system either as a foreground or background process), and the server 130. The server 130 manages the payment processing system and, in some cases, is associated with an entity that supplies, operates, and/or manufactures the one or more payment modules 100. For brevity, the process 1250 will be described with respect to a respective payment module 100 associated with a respective payment accepting unit 120 (machine 120) and a respective mobile device 150 in the payment processing system. In the process 1250, the payment module 100 receives first acknowledgment information for a first transaction via a second mobile device 150-2 that did not initiate the first transaction.

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MORGAN, LEWIS & BOCKIUS LLP (PA)
2 PALO ALTO SQUARE
3000 EL CAMINO REAL, SUITE 700
PALO ALTO, CA 94306

EXAMINER
POINVIL, FRANTZY

ART UNIT	PAPER NUMBER
3691	

NOTIFICATION DATE	DELIVERY MODE
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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):

padocketingdepartment@morganlewis.com
vskliba@morganlewis.com

Office Action Summary	Application No. 14/458,199	Applicant(s) PATEL, PARESH K.	
	Examiner FRANTZY POINVIL	Art Unit 3691	AIA (First Inventor to File) Status Yes

-- 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 4/6/2015.

☐ 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, 3-6, 8-10, 12-17 and 19-26 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, 3-6, 8-10, 12-17 and 19-26 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) ☐ Notice of References Cited (PTO-892)

2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date 4/15/15 & 1/23/15.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 4/6/2015 have been fully considered but they are not persuasive.

2. The 35 USC 101 rejection has been withdrawn in view of the applicant's amendment filed 4/6/2015.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

Claims 1, 3-6, 8-10, 12-17, 19-23 and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by Narayanan (US Pub. No. 2013/0166448).

In response to the applicant's amendment, as per claims 1, 10 and 17, Narayanan discloses a system, method and computer program product for facilitating a user to perform a financial transaction at a point of sale system using a smartphone or mobile device. See the abstract of Narayanan. As with most mobile devices or smartphones, the mobile device of

Narayanan comprises one or more output devices such as a display, voice, Bluetooth devices, one or more processors and memory for storing one or more programs and applications. The smartphone or mobile device further comprises a plurality of communication capabilities capable of communicating with a plurality of networks, remote terminals or computer systems. See figure 5 and paragraphs [0046] to [0047] and [0025] of Narayanan. Accordingly, Narayanan discloses all the claimed invention. Particularly, Narayanan teaches or discloses: at the mobile device, establishing, via a short-range transceiver, a connection between the mobile device and a payment module coupled with a vending machine or point of sale machine (see paragraph [0024] and [0025]); after establishing the connection:

initiating, via the short-range transceiver, a transaction with the vending machine or point of sale system (POS) and obtaining, via the short-range transceiver, a notification from the payment module wherein the notification indicates an event at the vending machine payment and in response to obtaining the notification, providing a representation of the notification to a user of the mobile device via the one or more output devices of the mobile device (see paragraph [0028] and [0030] of Narayanan.

As per claims 3, 12 and 19, Narayanan discloses the one or more output devices of the mobile device include at least one of: a display, one or more speakers, one or more LEDs, and a vibration mechanism. See paragraphs [0019] to [0021].

As per claims 4, 13 and 20, Narayanan discloses the representation of the notification is at least one of : a message displayed on the display of the mobile device;

a banner notification displayed on a display of the mobile device;

a vibration alert from the vibration mechanism of the mobile device;

an aural alert from the one or more speakers of the mobile device; and

a visual alert from the one or more LEDs of the mobile device.

See paragraphs [0019] to [0021] of Narayanan.

As per claims 5, 14 and 21, Narayanan discloses the notification indicates completion of a transaction between the user of the mobile device and the vending machine. See paragraphs [0019] to [0021] of Narayanan.

As per claim 6, Narayanan discloses the mobile device includes a long-range transceiver and further wherein the notification at least includes an amount of the completed transaction, and the method further comprises: sending at least a portion of the notification to a server via a second communication capability distinct from the first communication capability. See paragraphs [0019] and [0025] and [0030] of Narayanan.

As per claims 8, 15 and 22, Narayanan discloses the notification indicates abortion of a transaction initiated by the user of the mobile device. See paragraphs [0019] to [0021] of Narayanan.

As per claims 9, 16 and 23, Narayanan discloses the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the vending machine. See paragraph [0019] of Narayanan.

As per claim 25, Narayanan discloses sending the status of the transaction at the vending machine. See paragraph [0028] of Narayanan.

Claim Rejections - 35 USC § 103

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

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 24 and 26 are rejected under 35 U.S.C. 103 as being unpatentable over Narayanan (US Pub. No. 2013/0166448).

As per claim 24, the teachings of Narayanan are discussed above. Narayanan does not explicitly state the mobile device includes an accelerometer and based on data from the accelerometer, determining whether the user is walking away from the vending machine and in accordance with a determination that the user is walking away from the vending machine canceling the connection.

As per this feature, it is well known in the art that most mobile devices include an accelerometer. Also, most vending machines or kiosks or ATM's comprise sensors for sensing the presence of an individual nearby a vending machine. Also, it would have been obvious to one of ordinary skill in the art to note that, connection would be lost if the mobile user walks in a predetermined distance away from the vending machine. It would have been obvious to one of

ordinary skill in the art at the time the invention was made to include these features into the system, method and computer product of Narayanan for fraud precaution purposes.

As per claim 26, Narayanan does not explicitly state receiving via the short-range transceiver, a coupon that is targeted to the user of the mobile device based on the transaction. As per this limitation, sending a coupon to a user based on a certain type of transaction is old and well known in the art. It would have been obvious to one of ordinary skill in the art at the time the invention was made to add the features of sending coupons to a user or customer for marketing purposes.

5. **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 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.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANTZY POINVIL whose telephone number is (571)272-6797. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexander Kalinowski can be reached on (571) 272-6771. 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.

/Frantzy Poinvil/
Primary Examiner
Art Unit 3691

/FP/
May 26, 2015

Electronically filed November 24, 2015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Paresh K. Patel	Confirmation No.:	1016
Serial No.:	14/458,199	Art Unit:	3691
Filed:	August 12, 2014	Examiner:	Poinvil, Frantzy
For:	*Method and System for Presenting Representations of Payment Accepting Unit Events*	Attorney Docket No.:	104402-5013-US

RESPONSE TO OFFICE ACTION AND SUBSTANCE OF INTERVIEW FILED WITH

REQUEST FOR CONTINUED EXAMINATION

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

Sir:

The enclosed Amendment is in response to the Final Office Action dated June 24, 2015 (the "Final Office Action") for the above-identified patent application.

Petition for Extension of Time under 37 CFR 1.136. It is respectfully requested that the time for response to the Final Office Action be extended for a period of two months from September 24, 2015 to November 24, 2015.

The Commissioner is hereby authorized to charge any required fee(s) to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310 (order no. 104402-5013-US).

Amendments to the Claims begin on page 2.

Remarks begin on page 7.

Petitioner Kiosoft Exhibit 1009
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IN THE CLAIMS:

Rewrite the pending claims and add new claims as follows:

1. (Currently Amended) A method of presenting representations of vending machine events, comprising:

at a mobile device with one or more processors, memory, one or more output devices including a display, and a ~~short-range~~ radio transceiver:

executing a mobile payment application on the mobile device, the mobile payment application configured to communicate with a payment module that is coupled with an internal interface of a vending machine;

establishing, via the ~~short-range~~ radio transceiver, a connection between the mobile device and [[a]] the payment module ~~coupled with a vending machine~~;

after establishing the connection [[:]], presenting, on the display, an indication that the connection has been established, wherein the indication is presented within a user interface of the mobile payment application;

~~initiating,~~ sending information to the payment module via the ~~short-range~~ radio transceiver, in conjunction with a transaction for a product stocked by ~~with~~ the vending machine;

obtaining, via the ~~short-range~~ radio transceiver, a notification from the payment module, wherein the notification is based on a message received by the payment module via the internal interface of the vending machine in conjunction with the transaction ~~indicates an event at the vending machine~~; and

in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides ~~providing~~ a visual representation of the notification to a user of the mobile device ~~via the one or more output devices of the mobile device~~.

2. (Canceled)

3. (Currently Amended) The method of claim 1, wherein the one or more output devices of the mobile device include at least one of: ~~a display,~~ one or more speakers, one or more LEDs, and a vibration mechanism.

4. (Currently Amended) The method of claim 3, wherein the visual representation of the notification is at least one of:

a message displayed on the display of the mobile device;

a banner notification displayed on a display of the mobile device; and

~~a vibration alert from the vibration mechanism of the mobile device;~~

~~an aural alert from the one or more speakers of the mobile device; and~~

a visual alert from the one or more LEDs of the mobile device.

5. (Previously Presented) The method of claim 1, wherein the notification indicates completion of a transaction between the user of the mobile device and the vending machine.

6. (Previously Presented) The method of claim 5, wherein the mobile device includes a long-range transceiver and further wherein the notification at least includes an amount of the completed transaction, and the method further comprises:

sending at least a portion of the notification to a server via the long-range transceiver.

7. (Canceled)

8. (Original) The method of claim 1, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

9. (Previously Presented) The method of claim 1, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the vending machine.

10. (Currently Amended) A mobile device, comprising:

a ~~short-range~~ radio transceiver;

one or more output devices including a display;

one or more processors; and

memory storing one or more programs to be executed by the one or more processors, the one or more programs comprising instructions for:

executing a mobile payment application on the mobile device, the mobile payment application configured to communicate with a payment module that is coupled with an internal interface of a vending machine;

establishing, via the ~~short-range~~ radio transceiver, a connection between the mobile device and [[a]] the payment module ~~coupled with a vending machine~~;

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after establishing the connection [[:]], presenting, on the display, an indication that the connection has been established, wherein the indication is presented within a user interface of the mobile payment application;

~~initiating,~~ sending information to the payment module via the ~~short-range~~ radio transceiver, in conjunction with a transaction for a product stocked by ~~with~~ the vending machine;

obtaining, via the ~~short-range~~ radio transceiver, a notification from the payment module, wherein the notification corresponds to a message received by the payment module via the internal interface of the vending machine in conjunction with the transaction ~~indicates an event at the vending machine~~; and

in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides ~~providing~~ a visual representation of the notification to a user of the mobile device ~~via the one or more output devices of the mobile device~~.

11. (Canceled)

12. (Currently Amended) The mobile device of claim 10, wherein the one or more output devices of the mobile device include at least one of: ~~a display,~~ one or more speakers, one or more LEDs, and a vibration mechanism.

13. (Currently Amended) The mobile device of claim 12, wherein the visual representation of the notification is at least one of:

a message displayed on the display of the mobile device;

a banner notification displayed on a display of the mobile device; and

~~a vibration alert from the vibration mechanism of the mobile device;~~

~~an aural alert from the one or more speakers of the mobile device; and~~

a visual alert from the one or more LEDs of the mobile device.

14. (Previously Presented) The mobile device of claim 10, wherein the notification indicates completion of a transaction between the user of the mobile device and the vending machine.

15. (Original) The mobile device of claim 10, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

16. (Previously Presented) The mobile device of claim 10, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the vending machine.

17. (Currently Amended) A non-transitory computer readable storage medium storing one or more programs, the one or more programs comprising instructions, which, when executed by a mobile device with one or more processors, one or more output devices including a display, and a short-range transceiver, cause the mobile device to perform operations comprising:

executing a mobile payment application on the mobile device, the mobile payment application configured to communicate with a payment module that is coupled with an internal interface of a vending machine;

establishing, via the ~~short-range~~ radio transceiver, a connection between the mobile device and [[a]] the payment module ~~coupled with a vending machine~~;

after establishing the connection [[:]], presenting, on the display, an indication that the connection has been established, wherein the indication is presented within a user interface of the mobile payment application;

~~initiating,~~ sending information to the payment module via the ~~short-range~~ radio transceiver, in conjunction with a transaction for a product stocked by ~~with~~ the vending machine;

obtaining, via the ~~short-range~~ radio transceiver, a notification from the payment module, wherein the notification corresponds to a message received by the payment module via the internal interface of the vending machine in conjunction with the transaction ~~indicates an event at the vending machine~~; and

in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides ~~providing~~ a visual representation of the notification to a user of the mobile device ~~via the one or more output devices of the mobile device~~.

18. (Canceled)

19. (Currently Amended) The non-transitory computer readable storage medium of claim 17, wherein the one or more output devices of the mobile device include at least one of: ~~a display,~~ one or more speakers, one or more LEDs, and a vibration mechanism.

20. (Currently Amended) The non-transitory computer readable storage medium of claim 19, wherein the visual representation of the notification is at least one of:

a message displayed on the display of the mobile device;

a banner notification displayed on a display of the mobile device; and

~~a vibration alert from the vibration mechanism of the mobile device;~~

~~an aural alert from the one or more speakers of the mobile device; and~~

a visual alert from the one or more LEDs of the mobile device.

21. (Previously Presented) The non-transitory computer readable storage medium of claim 17, wherein the notification indicates completion of a transaction between the user of the mobile device and the vending machine.

22. (Original) The non-transitory computer readable storage medium of claim 17, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

23. (Previously Presented) The non-transitory computer readable storage medium of claim 17, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the vending machine.

24. (Previously Presented) The method of claim 1, wherein the mobile device includes an accelerometer and the method further comprises:

based on data from the accelerometer, determining whether the user is walking away from the vending machine; and

in accordance with a determination that the user is walking away from the vending machine, canceling the connection.

25. (Currently Amended) The method of claim 1, wherein the notification reflects a status of the transaction for the product stocked by [[at]] the vending machine.

26. (Currently Amended) The method of claim 1, further comprising:

in addition to obtaining the notification, receiving, via the ~~short-range~~ radio transceiver, a coupon that is targeted to the user of the mobile device based on the transaction.

Electronic Acknowledgement Receipt

EFS ID:	24186500
Application Number:	14458199
International Application Number:	
Confirmation Number:	1016
Title of Invention:	Method and System for Presenting Representations of Payment Accepting Unit Events
First Named Inventor/Applicant Name:	Paresh K. Patel
Customer Number:	24341
Filer:	Douglas James Crisman/Linda Quintana
Filer Authorized By:	Douglas James Crisman
Attorney Docket Number:	104402-5013-US
Receipt Date:	24-NOV-2015
Filing Date:	12-AUG-2014
Time Stamp:	20:38:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$ 900
RAM confirmation Number	10389
Deposit Account	500310
Authorized User	CRISMAN, DOUGLAS

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	Request for Continued Examination (RCE)	104402-5013-US_RCETransmittal.pdf	117180 3acf2db82f44ec44450d7497f14f5349c5b83a34	no	1
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
2		104402-5013-US_Amendment.pdf	175419 12964488c6459fb4591081bbe5129310613045bd	yes	12
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Amendment Submitted/Entered with Filing of CPA/RCE		1	1	
	Claims		2	6	
	Applicant Arguments/Remarks Made in an Amendment		7	12	
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32423 8141ea2c35ed196b2d421d36b3a27306ae7b02fb	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	325022		

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.

REQUEST FOR CONTINUED EXAMINATION (RCE) TRANSMITTAL

Address to:
Mail Stop RCE
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Electronically filed	November 24, 2015
Application Number	14/458,199
Filing Date	August 12, 2014
First Named Inventor	Paresh K. Patel
Art Unit	3691
Examiner Name	Poinvil, Frantzy
Attorney Docket No.	104402-5013-US

This is a Request for Continued Examination (RCE) under 37 C.F.R. § 1.114 of the above-identified application. Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application.

1. Submission required under 37 C.F.R. § 1.114
   - a. ☐ Previously submitted
     - i. ☐ Consider the amendment(s)/reply under 37 C.F.R. § 1.116 previously filed on _____ (Any unentered amendment(s) referred to above will be entered).
     - ii. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed _____
     - iii. ☐ Other _____
   - b. ☒ Enclosed
     - i. ☒ Amendment/Reply
     - ii. ☐ Affidavit(s)/Declaration(s)
     - iii. ☐ Information Disclosure Statement (IDS)
     - iv. ☐ Other _____
2. Miscellaneous
   - a. ☐ Suspension of action on the above-identified application is requested under 37 C.F.R. § 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 C.F.R. § 1.17(i) required)
   - b. ☐ Other _____
3. Fees — The RCE fee under 37 C.F.R. § 1.17(e) is required by 37 C.F.R. § 1.114 when the RCE is filed
   - a. ☒ The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310 (order no. 104402-5013-US).
     - i. ☒ (1st request) RCE fee required under 37 C.F.R. § 1.17(e)(1), estimated to be $ 1200 (large entity) or **$600 (small entity)**
     - ii. ☐ (2nd or subsequent request) RCE fee required under 37 C.F.R. § 1.17(e)(2), estimated to be $ 1700 (large entity) or $850 (small entity)
     - iii. ☒ Extension of time fee required under 37 C.F.R. §§ 1.136 and 1.17, estimated to be $300 for a two (2) month extension, the request for which is being made herewith
     - iv. ☐ Other _____
   - b. ☐ Check in the amount of $ _____ enclosed
   - c. ☐ Payment by credit card (Form PTO-2038 enclosed)

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print/Type)	Douglas J. Crisman	*Registration No. (Attorney/Agent)*	39,951
Signature	/Douglas J. Crisman/	*Date*	November 24, 2014

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or by facsimile transmitted to fax no. 1-703- to the U.S. Patent and Trademark Office on the date indicated below.

Name (Print/Type)		*Registration No. (Attorney/Agent)*	
Signature		*Date*	

DB2/ 27192723.1

REMARKS

This amendment responds to the Final Office Action, in which the Examiner:

- rejected claims 1, 3-6, 8-10, 12-17, 19-23 and 25 under 35 U.S.C. 102(b) as anticipated by U.S. Pub. No. 2013/0166448 (hereinafter "Narayanan"); and
- rejected claims 24 and 26 under 35 U.S.C. 103 as being unpatentable over Narayanan.

MCKESSON STATEMENT

The pending application is potentially related to: U.S. Patent No. 8,856,045 which issued from U.S. Patent Application No. 14/214,644; U.S. Patent Application No. 14/456,683; U.S. Patent Application No. 14/335,762; and U.S. Design Patent Application No. 29/477,025. The Examiner is encouraged to review the art made of record, Office Actions and the Notice of Allowance(s) in the above-mentioned related application, all of which are available on PAIR.

SUBSTANCE OF INTERVIEW

Applicant's attorneys thank Examiner Poinvil for his comments during a telephonic interview on November 18, 2015 with Douglas Crisman (Reg. No. 39,951) and Alex Stein (Reg. No. 71,397). In the interview, the Examiner and Applicant's attorneys discussed proposed amendments to claim 1, including adding details about "a mobile payment application" that is executing on a mobile device, adding details about user interfaces presented within the mobile payment application on a display of the mobile device, and other details to further clarify the claim language. The Examiner agreed that the amendments to claim 1 that were discussed appeared to overcome the current rejections and would require a further search. Accordingly, claim 1 has been amended to incorporate the amendments that were discussed (independent claims 10 and 17 have been amended to include analogous limitations as well).

REMARKS CONCERNING AMENDMENTS TO THE CLAIMS

Independent claims 1, 10, and 17 have been amended. Support is found in at least paragraphs 0070-0071, 0094-0097, 00136, 00141, 00146, 00184, and 00189-00201 and Figures 23, 24A, 26A-26D, and 27A-27B of the present application as filed.

Dependent claims 3-4, 12-13, 19-20, and 25-26 have been amended to correct references to revised antecedents in the corresponding independent claims.

No new matter has been added.

With respect to all amendments, Applicant has not dedicated or abandoned any unclaimed subject matter. Moreover, Applicant has not acquiesced to any characterizations of the invention, nor any rejections or objections of the claims, made by the Examiner.

After entry of this amendment, claims 1, 3-6, 8-10, 12-17, and 19-26 are pending.

REMARKS CONCERNING REJECTIONS UNDER 35 U.S.C. § 102

A. Rejection of claims 1, 3-6, 8-10, 12-17, 19-23, and 25 under 35 U.S.C. § 102(b) as being anticipated by Narayanan

In the Final Office Action, claims 1, 3-6, 8-10, 12-17, 19-23, and 25 were rejected under § 102(b) as being anticipated by Narayanan. Independent claim 1, as amended, recites:

> A method of presenting representations of vending machine events, comprising:
>
> at a mobile device with one or more processors, memory, one or more output devices including a display, and a radio transceiver:
>
> **executing a mobile payment application on the mobile device, the mobile payment application configured to communicate with a payment module that is coupled with an internal interface of a vending machine;**
>
> establishing, via the radio transceiver, a connection between the mobile device and the payment module;
>
> **after establishing the connection, presenting, on the display, an indication that the connection has been established, wherein the indication is presented within a user interface of the mobile payment application;**

sending information to the payment module via the radio transceiver, in conjunction with a transaction for a product stocked by vending machine;

obtaining, via the radio transceiver, a notification from the payment module, **wherein the notification is based on a message received by the payment module via the internal interface of the vending machine in conjunction with the transaction**; and

in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides a visual representation of the notification to a user of the mobile device.

(Emphasis added.)

As emphasized above, amended claim 1 requires: 1) "executing a mobile payment application on the mobile device, the mobile payment application configured to communicate with a payment module that is coupled with an internal interface of a vending machine"; 2) after establishing [a] connection [between the mobile device and the payment module that is coupled with the internal interface of the vending machine], presenting, on the display, an indication that the connection has been established, wherein the indication is presented within a user interface of the mobile payment application"; 3) "obtaining, via the radio transceiver, a notification from the payment module, wherein the notification is based on a message received by the payment module via the internal interface of the vending machine in conjunction with the transaction"; and 4) "in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides a visual representation of the notification to a user of the mobile device." Narayanan does not disclose, teach, or suggest any of these limitations, let alone all of them.

More specifically, Narayanan does not disclose, teach, or suggest "a mobile payment application … configured to communicate with a payment module that is coupled with an internal interface of a vending machine," let alone teaching or suggesting that the mobile device obtains a notification from the payment module … [that] is based on a message received by the payment module via the internal interface of the vending machine in conjunction with [a] transaction [for a product stocked by the vending machine]." For at least these reasons, there is no prima facie case of obviousness for amended claim 1 and its

dependent claims. As such, amended claim 1 and its dependent claims are patentable over Narayanan.

Independent claims 10 and 17 include analogous limitations to those in amended claim 1. As such, independent claims 10 and 17 (and their dependent claims) are patentable over Narayanan, either alone or in combination, for at least analogous reasons to those discussed above regarding claim 1.

Accordingly, Applicant respectfully requests that the rejections of claims 1, 3-6, 8-10, 12-17, 19-23, and 25 under § 102(b) be withdrawn.

REMARKS CONCERNING REJECTIONS UNDER 35 U.S.C. § 103

A. Rejection of claims 24 and 26 under 35 U.S.C. § 103 as being unpatentable over Narayanan

Dependent claims 24 and 26 depend from and include all limitations in amended claim 1. As such, claims 24 and 26 are patentable over Narayanan for at least analogous reasons to those discussed above regarding claim 1.

Accordingly, Applicant respectfully requests that the rejections of claims 24 and 26 under § 103 be withdrawn.

REMARKS CONCERNING EXAMINER'S USE OF COMMON KNOWLEDGE IN THE § 103 REJECTIONS

The Examiner's assertion, without citation of evidentiary basis, that multiple aspects of the claims are well known (e.g., Final Office Action at 5-6) is contrary to MPEP §2144.03. If the Examiner is asserting Official Notice, the Applicant respectfully traverses this assertion, for the reasons provided below.

An Examiner's use of official notice is reserved for rare cases where facts are so well known they are of "notorious character." MPEP §2144.03. The MPEP indicates that "[a]ny rejection based on assertions that a fact is well-known or is common knowledge in the art without documentary evidence to support the examiner's conclusion should be judiciously applied." *Id.* "[A]ny facts so noticed should be of notorious character and serve only to 'fill in the gaps' in an insubstantial manner which might exist in the evidentiary showing made by

the examiner to support a particular ground for rejection." *Id.* (citing *In re Zurko*, 258 F.3d 1379, 1385 (Fed. Cir. 2001)). It is "not [] appropriate for the examiner to take official notice of facts without citing a prior art reference where the facts asserted to be well known are not capable of instant and unquestionable demonstration as being well-known." *Id.* "For example, assertions of technical facts in the areas of esoteric technology or specific knowledge of the prior art must ***always*** be supported by citation to some reference work recognized as standard in the pertinent art. *In re Ahlert*, 424 F.2d at 1091, 165 USPQ at 420-21." (*Id.*, emphasis added).

The Applicant respectfully submits that the limitations present in claims 24 and 26 are not of such a notorious character, nor are these limitations capable of instant and unquestionable demonstration as being well-known. Furthermore, the Applicant also notes that no citation support for the assertion that the features of claims 24 and 26 are allegedly well-known has been provided in this case. Reviewing courts must rely on the record, and the Federal Circuit has required that absent the case where Official Notice is "instant and unquestionable," the Office Action must provide support and reasoning for Official Notice to be proper. *See, e.g., Plantronics Inc. v. Aliph Inc.*, 724 F.3d 1343, 1354 (Fed. Cir. 2013) (citing *In re Nouvel*, 493 F. App'x 85, 92 (Fed. Cir. 2012)) (finding that an obviousness rejection based on common sense "must contain explicit and clear reasoning providing some rational underpinning why common sense compels a finding of obviousness").

Given the Applicant's traversal, if the Examiner is using Official Notice in the present Office Action, the Examiner must provide documentary evidence in the next office action if this rejection is to be maintained. See 37 CFR 1.104(c)(2). See also *Zurko* at 1386 ("[T]he Board [or examiner] must point to some concrete evidence in the record in support of these findings" to satisfy the substantial evidence test). If the Examiner is relying on personal knowledge to support the finding of what is known in the art, the Examiner must provide an affidavit or declaration setting forth specific factual statements and explanation to support the finding. *See* 37 CFR 1.104(d)(2); *see also* MPEP § 2144.03(C).

CONCLUDING REMARKS

By responding in the foregoing remarks only to particular positions asserted by the Examiner, the Applicant does not necessarily acquiesce in other positions that have not been explicitly addressed. In addition, the Applicant's arguments for the patentability of a claim

should not be understood as implying that no other reasons for the patentability of that claim exist.

In light of the above amendments and remarks, the Applicant respectfully requests that the Examiner reconsider this application with a view towards allowance. The Examiner is invited to call the undersigned attorney at (650) 843-4000, if a telephone call could help resolve any remaining items.

Respectfully submitted,

Date: November 24, 2015

/Douglas J. Crisman/ 39,951

Douglas J. Crisman (Reg. No.)
MORGAN, LEWIS & BOCKIUS LLP
2 Palo Alto Square
3000 El Camino Real, Suite 700
Palo Alto, CA 94306
(650) 843-4000

Electronic Patent Application Fee Transmittal

Application Number:	14458199
Filing Date:	12-Aug-2014
Title of Invention:	Method and System for Presenting Representations of Payment Accepting Unit Events
First Named Inventor/Applicant Name:	Paresh K. Patel
Filer:	Douglas James Crisman/Linda Quintana
Attorney Docket Number:	104402-5013-US

Filed as Small 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:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 2 months with $0 paid	2252	1	300	300
Miscellaneous:				
Request for Continued Examination	2801	1	600	600
		Total in USD ($)		**900**

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	
14/458,199	08/12/2014	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ 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 $ =	
☐ 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).			
☐ 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

11/24/2015	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 22	Minus	** 23	= 0	x $40 =	0
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	x $210 =	0
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	x $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	x $ =	
☐ Application Size Fee (37 CFR 1.16(s))						
☐ 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
/MARY HOLMES/

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.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/458,199	08/12/2014	Paresh K. Patel	104402-5013-US	1016

24341 7590 03/28/2016
Morgan, Lewis & Bockius LLP (PA)
1400 Page Mill Road
Palo Alto, CA 94304-1124

EXAMINER
POINVIL, FRANTZY

ART UNIT	PAPER NUMBER
3691	

NOTIFICATION DATE	DELIVERY MODE
03/28/2016	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):

padocketingdepartment@morganlewis.com
vskliba@morganlewis.com

Office Action Summary	Application No. 14/458,199	Applicant(s) PATEL, PARESH K.	
	Examiner FRANTZY POINVIL	Art Unit 3691	AIA (First Inventor to File) Status Yes

-- 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 *11/24/2015*.

☐ 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) *1,3-6,8-10,12-17 and 19-26* 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, 3-6, 8-10, 12-17, 19-26* 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) ☒ Notice of References Cited (PTO-892)

2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date *6/18/2015 & 3/17/16*.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/14/2015 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

Claims 1, 3-6, 8-10, 12-17, 19-23 and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by Weiner et al (US Patent No. 8,489,140).

As per claims 1, 10 and 17, Weiner et al disclose a system, method and computer program product for facilitating a user to perform a financial transaction at vending machine or

point of sale system using a smartphone or mobile device. See the abstract of Weiner et al. As with most mobile devices or smartphones, the mobile device of Weiner et al inherently comprises one or more output devices such as a display, voice, Bluetooth devices, one or more processors and memory for storing one or more programs and applications. The smartphone or mobile device further comprises a plurality of communication capabilities capable of communicating with a plurality of networks, remote terminals or computer systems. See figures 1 and 2 of Weiner et al.

Accordingly, Weiner et al disclose at a mobile device with one or more processors, memory, one or more output devices including a display, and a radio transceiver: executing a mobile payment application on the mobile device, the mobile payment application configured to communicate with a payment module that is coupled with an internal interface of a vending machine (see figures 1A to 1C) and column 7, lines 1-57) of Weiner et al. ;

establishing, via the radio transceiver, a connection between the mobile device and the payment module (column 7, lines 1-57) ;

after establishing the connection ,inherently presenting, on the display, an indication that the connection has been established, wherein the indication is presented within a user interface of the mobile payment application since an interactive communication is being performed (See also column 14, lines 6-27 and column 6, lines 37 to 66 of Weiner et al.);

sending information to the payment module via the radio transceiver, in conjunction with a transaction for a product stocked by the vending machine (column 9, line 17 to column 10, line 14 and column 15, lines 1-8 of Weiner et al.) ;

obtaining, via the radio transceiver, a notification from the payment module, wherein the notification is based on a message received by the payment module via the internal interface of the vending machine in conjunction with the transaction and in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides a visual representation of the notification to a user of the mobile device. See column 7, line 58 to column 8, line 3 and column 12, line 46 to column 13, line 10 of Weiner et al..

As per claims 3, 12 and 19, Weiner et al disclose the one or more output devices of the mobile device include at least one of: a display, one or more speakers, one or more LEDs, and a vibration mechanism. See column 7, line 58 to column 8, line 3 and column

As per claims 4, 13 and 20, Narayanan discloses the representation of the notification is at least one of : a message displayed on the display of the mobile device, a banner notification displayed on a display of the mobile device, and a visual alert from the one or more LEDs of the mobile device. See column 7, line 58 to column 8, line 3 and column

As per claims 5, 14 and 21, Weiner et al disclose the notification indicates completion of a transaction between the user of the mobile device and the vending machine. See column 7, line 58 to column 8, line 3

As per claim 6, Weiner et al disclose the mobile device includes a long-range transceiver and further wherein the notification at least includes an amount of the completed transaction, and the method further comprises: sending at least a portion of the notification to a server via a second communication capability distinct from the first communication capability. See column 7, line 58 to column 8, line 3

As per claims 8, 15 and 22, Weiner et al disclose the notification indicates abortion of a transaction initiated by the user of the mobile device. See column 7, line 58 to column 8, line 3

As per claims 9, 16 and 23, Weiner et al. disclose the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the vending machine. See column 7, line 58 to column 8, line 3

As per claim 25, Weiner et al disclose sending the status of the transaction at the vending machine. See column 7, line 58 to column 8, line 3

Claim Rejections - 35 USC § 103

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

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 24 and 26 are rejected under 35 U.S.C. 103 as being unpatentable over Weiner et al (US Patent No. 8,489,140).

As per claim 24, the teachings of Weiner et al are discussed above. Weiner et al do not explicitly state the mobile device includes an accelerometer and based on data from the accelerometer, determining whether the user is walking away from the vending machine and in accordance with a determination that the user is walking away from the vending machine canceling the connection.

As per this feature, it is well known in the art that most mobile devices include an accelerometer. Also, most vending machines or kiosks or ATM's comprise sensors for sensing the presence of an individual nearby a vending machine. Also, it would have been obvious to one of ordinary skill in the art to note that, connection would be lost if the mobile user walks in a predetermined distance away from the vending machine. It would have been obvious to one of ordinary skill in the art at the time the invention was made to include these features into the system, method and computer product of Narayanan for fraud precaution purposes.

As per claim 26, Weiner et al do not explicitly state receiving via the radio transceiver, a coupon that is targeted to the user of the mobile device based on the transaction. As per this limitation, sending a coupon to a user based on a certain type of transaction is old and well known in the art. It would have been obvious to one of ordinary skill in the art at the time the invention was made to add the features of sending coupons to a user or customer for marketing purposes.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANTZY POINVIL whose telephone number is (571)272-6797. The examiner can normally be reached on Monday-Thursday from 7:00AM to 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexander Kalinowski can be reached on (571) 272-6771. 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.

/Frantzy Poinvil/
Primary Examiner
Art Unit 3691

/FP/
March 14, 2016

Electronically filed September 28, 2016

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Paresh K. Patel	Confirmation No.:	1016
Serial No.:	14/458,199	Art Unit:	3691
Filed:	August 12, 2014	Examiner:	Poinvil, Frantzy
For:	*Method and System for Presenting Representations of Payment Accepting Unit Events*	Attorney Docket No.:	104402-5013-US

RESPONSE TO OFFICE ACTION

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

Sir:

The enclosed is in response to the Office Action dated March 28, 2016 (the "Office Action") for the above-identified patent application.

Petition for Extension of Time under 37 CFR 1.136. It is respectfully requested that the time for response to the Office Action dated March 28, 2016 be extended for a period of three (3) months from June 28, 2016 to September 28, 2016.

The Commissioner is hereby authorized to charge any required fee(s) to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310 (order no. 104402-5013-US).

IN THE CLAIMS:

Rewrite the pending claims and add new claims as follows:

1. (Currently Amended) A method of presenting representations of vending machine events, comprising:

at a mobile device with one or more processors, memory, one or more output devices including a display, and a radio transceiver:

executing a mobile payment application on the mobile device, the mobile payment application being configured to identify one or more vending machines in proximity to the mobile device that are available to accept payment from the mobile payment application, the identifying including detecting predefined radio messages broadcast by the one or more vending machines ~~configured to communicate with a payment module that is coupled with an internal interface of a vending machine~~;

displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to accept user input to trigger payment by the mobile payment application for a vending transaction initiated by the user with an available vending machine of the one or more vending machines;

establishing[[,]] via the radio transceiver[[,]] a wireless connection between the mobile device and the available vending machine of the one or more vending machines ~~the payment module~~;

after establishing the wireless connection, presenting[[,]] on the user interface of the mobile payment application ~~the display,~~ an indication that the wireless connection has been established with the ~~first~~ available vending machine~~, wherein the indication is presented within a user interface of the mobile payment application~~;

sending information ~~to the payment module~~ via the radio transceiver, in conjunction with [[a]] the vending transaction ~~for a product stocked by the vending machine~~;

obtaining, via the radio transceiver, a notification ~~from the payment module~~, wherein the notification is based on a message ~~received by the payment module via the internal interface of~~ from the available vending machine in conjunction with the vending transaction; and

Petitioner Kiosoft Exhibit 1009
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in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides a visual representation of the notification to [[a]]the user of the mobile device.

2. (Canceled)

3. (Previously Presented) The method of claim 1, wherein the one or more output devices of the mobile device include at least one of: one or more speakers, one or more LEDs, and a vibration mechanism.

4. (Previously Presented) The method of claim 3, wherein the visual representation of the notification is at least one of:

a message displayed on the display of the mobile device;

a banner notification displayed on a display of the mobile device; and

a visual alert from the one or more LEDs of the mobile device.

5. (Currently Amended) The method of claim 1, wherein the notification indicates completion of a transaction between the user of the mobile device and the available vending machine.

6. (Previously Presented) The method of claim 5, wherein the mobile device includes a long-range transceiver and further wherein the notification at least includes an amount of the completed transaction, and the method further comprises:

sending at least a portion of the notification to a server via the long-range transceiver.

7. (Canceled)

8. (Original) The method of claim 1, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

9. (Currently Amended) The method of claim 1, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the available vending machine.

10. (Currently Amended) A mobile device, comprising:

Petitioner Kiosoft Exhibit 1009
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a radio transceiver;

one or more output devices including a display;

one or more processors; and

memory storing one or more programs to be executed by the one or more processors, the one or more programs comprising instructions for:

executing a mobile payment application on the mobile device, the mobile payment application being configured to identify one or more vending machines in proximity to the mobile device that are available to accept payment from the mobile payment application, the identifying including detecting predefined radio messages broadcast by the one or more vending machines ~~configured to communicate with a payment module that is coupled with an internal interface of a vending machine~~;

displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to accept user input to trigger payment by the mobile payment application for a vending transaction initiated by the user with an available vending machine of the one or more vending machines;

establishing[[,]] via the radio transceiver[[,]] a wireless connection between the mobile device and the available vending machine of the one or more vending machines ~~the payment module~~;

after establishing the wireless connection, presenting[[,]] on the user interface of the mobile payment application ~~the display,~~ an indication that the wireless connection has been established with the ~~first~~ available vending machine~~, wherein the indication is presented within a user interface of the mobile payment application~~;

sending information ~~to the payment module~~ via the radio transceiver, in conjunction with [[a]] the vending transaction ~~for a product stocked by the vending machine~~;

obtaining, via the radio transceiver, a notification ~~from the payment module~~, wherein the notification is based on a message ~~received by the payment module via the internal interface of~~ from the available vending machine in conjunction with the vending transaction; and

in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides a visual representation of the notification to [[a]]the user of the mobile device.

11. (Canceled)

12. (Previously Presented) The mobile device of claim 10, wherein the one or more output devices of the mobile device include at least one of: one or more speakers, one or more LEDs, and a vibration mechanism.

13. (Previously Presented) The mobile device of claim 12, wherein the visual representation of the notification is at least one of:

a message displayed on the display of the mobile device;

a banner notification displayed on a display of the mobile device; and

a visual alert from the one or more LEDs of the mobile device.

14. (Currently Amended) The mobile device of claim 10, wherein the notification indicates completion of a transaction between the user of the mobile device and the available vending machine.

15. (Original) The mobile device of claim 10, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

16. (Currently Amended) The mobile device of claim 10, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the available vending machine.

17. (Currently Amended) A non-transitory computer readable storage medium storing one or more programs, the one or more programs comprising instructions, which, when executed by a mobile device with one or more processors, one or more output devices including a display, and a short-range transceiver, cause the mobile device to perform operations comprising:

executing a mobile payment application on the mobile device, the mobile payment application being configured to identify one or more vending machines in proximity to the mobile device that are available to accept payment from the mobile payment application, the identifying including detecting predefined radio messages broadcast by the one or more vending machines ~~configured to communicate with a payment module that is coupled with an internal interface of a vending machine;~~

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displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to accept user input to trigger payment by the mobile payment application for a vending transaction initiated by the user with an available vending machine of the one or more vending machines;

establishing[[,]] via the radio transceiver[[,]] a wireless connection between the mobile device and the available vending machine of the one or more vending machines ~~the payment module~~;

after establishing the wireless connection, presenting[[,]] on the user interface of the mobile payment application ~~the display,~~ an indication that the wireless connection has been established with the ~~first~~ available vending machine~~, wherein the indication is presented within a user interface of the mobile payment application~~;

sending information ~~to the payment module~~ via the radio transceiver, in conjunction with [[a]] the vending transaction ~~for a product stocked by the vending machine~~;

obtaining, via the radio transceiver, a notification ~~from the payment module~~, wherein the notification is based on a message ~~received by the payment module via the internal interface of~~ from the available vending machine in conjunction with the vending transaction; and

in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides a visual representation of the notification to [[a]]the user of the mobile device.

18. (Canceled)

19. (Previously Presented) The non-transitory computer readable storage medium of claim 17, wherein the one or more output devices of the mobile device include at least one of: one or more speakers, one or more LEDs, and a vibration mechanism.

20. (Previously Presented) The non-transitory computer readable storage medium of claim 19, wherein the visual representation of the notification is at least one of:

a message displayed on the display of the mobile device;

a banner notification displayed on a display of the mobile device; and

a visual alert from the one or more LEDs of the mobile device.

21. (Currently Amended) The non-transitory computer readable storage medium of claim 17, wherein the notification indicates completion of a transaction between the user of the mobile device and the available vending machine.

22. (Original) The non-transitory computer readable storage medium of claim 17, wherein the notification indicates abortion of a transaction initiated by the user of the mobile device.

23. (Currently Amended) The non-transitory computer readable storage medium of claim 17, wherein the notification indicates failure of a transaction initiated by the user of the mobile device or a malfunction associated with the available vending machine.

24. (Currently Amended) The method of claim 1, wherein the mobile device includes an accelerometer and the method further comprises:

based on data from the accelerometer, determining whether the user is walking away from the available vending machine; and

in accordance with a determination that the user is walking away from the available vending machine, canceling the wireless connection.

25. (Currently Amended) The method of claim 1, wherein the notification reflects a status of the transaction for [[the]]a product stocked by the available vending machine.

26. (Previously Presented) The method of claim 1, further comprising:

in addition to obtaining the notification, receiving, via the radio transceiver, a coupon that is targeted to the user of the mobile device based on the transaction.

27. (New) The method of claim 1, wherein:

the mobile payment application on the mobile device is configured to communicate with a payment module coupled with an internal interface of the available vending machine;

the mobile device sends the information to the payment module via the radio transceiver of the mobile device in conjunction with the available vending transaction;

the available vending machine sends the message to the payment module in conjunction with the vending transaction; and

the mobile device obtains, via the radio transceiver, the notification from the payment module based on the message.

REMARKS

This amendment responds to the office action mailed March 28, 2016, in which the Examiner:

- rejected claims 1, 3-6, 8-10, 12-17, 19-23 and 25 under 35 U.S.C. 102(b) as anticipated by Weiner et al. (US Patent 8,489,140); and
- rejected claims 24 and 26 under 35 U.S.C. 103 as being unpatentable over Weiner.

MCKESSON STATEMENT

The pending application is potentially related to: U.S. Patent No. 8,856,045 which issued from U.S. Patent Application No. 14/214,644; U.S. Patent Application No. 14/456,683; U.S. Patent Application No. 14/335,762; and U.S. Design Patent Application No. 29/477,025. The Examiner is encouraged to review the art made of record, Office Actions and the Notice of Allowance(s) in the above-mentioned related application, all of which are available on PAIR.

REMARKS CONCERNING AMENDMENTS TO THE CLAIMS

Independent claims 1, 10, and 17 have been amended.

Dependent claims 5, 9, 14, 16, 21, and 23-25 have been amended to be consistent with the independent claims.

Claim 27 has been added.

Support can be found in at least paragraphs 0070-0071, 0094-0097, 00136, 00141, 00146, 00184, and 00189-00201 and Figures 23, 24A, 26A-26D, and 27A-27B of the present application as filed.

No new matter has been added.

With respect to all amendments, Applicant has not dedicated or abandoned any unclaimed subject matter. Moreover, Applicant has not acquiesced to any characterizations of the invention, nor any rejections or objections of the claims, made by the Examiner.

After entry of this amendment, claims 1, 3-6, 8-10, 12-17, and 19-27 are pending.

REMARKS CONCERNING REJECTIONS UNDER 35 U.S.C. § 102

I. **REJECTION OF REJECTED CLAIMS 1, 3-6, 8-10, 12-17, 19-23 AND 25 UNDER 35 U.S.C. 102(B) AS ANTICIPATED BY WEINER ET AL. (US PATENT 8,489,140).**

Independent claim 1, as amended, recites:

A method of presenting representations of vending machine events, comprising:

at a mobile device with one or more processors, memory, one or more output devices including a display, and a radio transceiver:

executing a mobile payment application on the mobile device, the mobile payment application being configured to identify one or more vending machines in proximity to the mobile device that are available to accept payment from the mobile payment application, the identifying including detecting predefined radio messages broadcast by the one or more vending machines;

displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to accept user input to trigger payment by the mobile payment application for a vending transaction initiated by the user with an available vending machine of the one or more vending machines;

establishing via the radio transceiver a wireless connection between the mobile device and the available vending machine of the one or more vending machines;

after establishing the wireless connection, presenting on the user interface of the mobile payment application an indication that the wireless connection has been established with the available vending machine;

sending information via the radio transceiver, in conjunction with the vending transaction;

obtaining, via the radio transceiver, a notification , wherein the notification is based on a message from the vending machine in conjunction with the vending transaction; and

in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides a visual representation of the notification to the user of the mobile device.

As shown above, amended claim 1 requires 1) "executing a mobile payment application on the mobile device, the mobile payment application being configured to identify one or more vending machines in proximity to the mobile device that are available to accept payment from the mobile payment application, the identifying including detecting predefined radio messages broadcast by the one or more vending machines;" 2) "displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to accept user input to trigger payment by the mobile payment application for a vending transaction initiated by the user with an available vending machine of the one or more vending machines;" 3) "establishing via the radio transceiver a wireless connection between the mobile device and the available vending machine of the one or more vending machines;" 4) "after establishing the wireless connection, presenting on the user interface of the mobile payment application an indication that the wireless connection has been established with the available vending machine;" 5) "sending information via the radio transceiver, in conjunction with the vending transaction;" 6) "obtaining, via the radio transceiver, a notification , wherein the notification is based on a message from the vending machine in conjunction with the vending transaction;" and 7) "in response to obtaining the notification, providing, on the display, an updated user interface of the mobile payment application that provides a visual representation of the notification to the user of the mobile device." Weiner does not disclose, teach, or suggest any of these limitations, let alone all of them.

For at least these reasons, amended claim 1 and its dependent claims are patentable over Weiner.

Independent claims 10 and 17 include analogous limitations to those of amended claim 1. As such, independent claims 10 and 17 and their dependent claims are patentable over Weiner for at least analogous reasons to those discussed above regarding claim 1.

Accordingly, Applicant respectfully requests that the rejections of claims 1, 3-6, 8-10, 12-17, 19-23 and 25 under § 102(b) be withdrawn.

REMARKS CONCERNING REJECTIONS UNDER 35 U.S.C. § 103

II. REJECTION OF CLAIMS 24 AND 26 UNDER 35 U.S.C. 103 AS BEING UNPATENTABLE OVER WEINER

Dependent claims 24 and 26 depend from and include all limitations of amended claim 1. As such, claims 24 and 26 are patentable over Weiner for at least analogous reasons to those discussed above regarding claim 1.

Accordingly, Applicant respectfully requests that the rejections of claims 24 and 26 under § 103 be withdrawn.

REMARKS CONCERNING EXAMINER'S USE OF COMMON KNOWLEDGE IN THE § 103 REJECTIONS

The Examiner's assertion, without citation of evidentiary basis, that multiple aspects of the claims are well known (e.g., Office Action at 6) is contrary to MPEP §2144.03. If the Examiner is asserting Official Notice, the Applicant respectfully traverses this assertion, for the reasons provided below.

An Examiner's use of official notice is reserved for rare cases where facts are so well known that they are of "notorious character." MPEP §2144.03. The MPEP indicates that "[a]ny rejection based on assertions that a fact is well-known or is common knowledge in the art without documentary evidence to support the examiner's conclusion should be judiciously applied." *Id.* "[A]ny facts so noticed should be of notorious character and serve only to 'fill in the gaps' in an insubstantial manner which might exist in the evidentiary showing made by the examiner to support a particular ground for rejection." *Id.* (citing *In re Zurko*, 258 F.3d 1379, 1385 (Fed. Cir. 2001)). It is "not [] appropriate for the examiner to take official notice of facts without citing a prior art reference where the facts asserted to be well known are not capable of instant and unquestionable demonstration as being well-known." *Id.* "For example, assertions of technical facts in the areas of esoteric technology or specific knowledge of the prior art must ***always*** be supported by citation to some reference work recognized as standard in the pertinent art. *In re Ahlert*, 424 F.2d at 1091, 165 USPQ at 420-21." (*Id.*, emphasis added).

The Applicant respectfully submits that the limitations present in claims 24 and 26 are not of such a notorious character, nor are these limitations capable of instant and unquestionable demonstration as being well-known. Furthermore, the Applicant also notes that no citation of support for the assertion that the features of claims 24 and 26 are allegedly well-known has been provided in this case. Reviewing courts must rely on the record, and the Federal Circuit has required that absent the case where Official Notice is "instant and unquestionable," the Office Action must provide support and reasoning for Official Notice to be proper. *See, e.g., Plantronics Inc. v. Aliph Inc.*, 724 F.3d 1343, 1354 (Fed. Cir. 2013) (citing *In re Nouvel*, 493 F. App'x 85, 92 (Fed. Cir. 2012)) (finding that an obviousness rejection based on common sense "must contain explicit and clear reasoning providing some rational underpinning why common sense compels a finding of obviousness").

Given the Applicant's traversal, if the Examiner is using Official Notice in the present Office Action, the Examiner must provide documentary evidence in the next office action if this rejection is to be maintained. See 37 CFR 1.104(c)(2). See also *Zurko* at 1386 ("[T]he Board [or examiner] must point to some concrete evidence in the record in support of these findings" to satisfy the substantial evidence test). If the Examiner is relying on personal knowledge to support the finding of what is known in the art, the Examiner must provide an affidavit or declaration setting forth specific factual statements and explanation to support the finding. *See* 37 CFR 1.104(d)(2); *see also* MPEP § 2144.03(C).

CONCLUSION

By responding in the foregoing remarks only to particular positions asserted by the Examiner, the Applicant does not necessarily acquiesce in other positions that have not been explicitly addressed. In addition, the Applicant's arguments for the patentability of a claim should not be understood as implying that no other reasons for the patentability of that claim exist.

In light of the above amendments and remarks, the Applicant respectfully requests that the Examiner reconsider this application with a view towards allowance. The Examiner is

invited to call the undersigned attorney at (650) 843-4000, if a telephone call could help resolve any remaining items.

Respectfully submitted,

Date: September 28, 2016

/Douglas J. Crisman/ 39,951

Douglas J. Crisman (Reg. No.)
MORGAN, LEWIS & BOCKIUS LLP
1400 Page Mill Road
Palo Alto, CA 94304
(650) 843-4000

UNITED STATES PATENT AND TRADEMARK OFFICE

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NOTICE OF ALLOWANCE AND FEE(S) DUE

24341 7590 01/20/2017
Morgan, Lewis & Bockius LLP (PA)
1400 Page Mill Road
Palo Alto, CA 94304-1124

EXAMINER
POINVIL, FRANTZY

ART UNIT	PAPER NUMBER
3691	

DATE MAILED: 01/20/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/458,199	08/12/2014	Paresh K. Patel	104402-5013-US	1016

TITLE OF INVENTION: METHOD AND SYSTEM FOR PRESENTING REPRESENTATIONS OF PAYMENT ACCEPTING UNIT EVENTS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	04/20/2017

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.

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PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
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Alexandria, Virginia 22313-1450
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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)

24341 7590 01/20/2017
Morgan, Lewis & Bockius LLP (PA)
1400 Page Mill Road
Palo Alto, CA 94304-1124

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.

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.
14/458,199	08/12/2014	Paresh K. Patel	104402-5013-US	1016

TITLE OF INVENTION: METHOD AND SYSTEM FOR PRESENTING REPRESENTATIONS OF PAYMENT ACCEPTING UNIT EVENTS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	04/20/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
POINVIL, FRANTZY	3691	705-044000

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_____
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 — 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.
❑ Applicant asserting small entity status. See 37 CFR 1.27 — 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.
❑ Applicant changing to regular undiscounted fee status. — NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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Typed or printed name _____ Registration No. _____

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/458,199	08/12/2014	Paresh K. Patel	104402-5013-US	1016

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Palo Alto, CA 94304-1124

EXAMINER
POINVIL, FRANTZY

ART UNIT	PAPER NUMBER
3691	

DATE MAILED: 01/20/2017

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. 14/458,199	Applicant(s) PATEL, PARESH K.	
	Examiner FRANTZY POINVIL	Art Unit 3691	AIA (First Inventor to File) Status Yes

-- 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 *the arguments filed 9/28/2016*.
   ☐ 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, 3-6, 8-10, 12-17, 19-27*. 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. ☐ Notice of References Cited (PTO-892)
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date See Continuation Sheet
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
5. ☒ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☒ Other *IDS 3/17/16, 3/21/16, 3/24/16 & 12/21/16*.

/FRANTZY POINVIL/
Primary Examiner, Art Unit 3691

Continuation of Attachment(s) 2. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 4/26/16,10/14/16,7/28/16, 8/12/14.

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

On page 1, of the specification, paragraph [0001] has been replaced with :

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[0001] The present application is a continuation-in-part of U.S. Patent Application Number 14/456,683, now U.S. Patent No. 9,256,873, filed August 11, 2014, which is a continuation of U.S. Patent Application Number 14/335,762, filed July 18, 2014, which is a continuation of U.S. Patent Application Number 14/214,644, now U.S. Patent No. 8,856,045, filed March 14, 2014, which claims priority to U.S. Provisional Patent Application Number 61/917,936, filed December 18, 2013. U.S. Patent Application Number 14/214,644, filed March 14, 2014 is also a continuation-in-part of U.S. Design Patent Application Number 29/477,025, filed December 18, 2013. The present application is based on and claims priority from these applications, the disclosures of which are hereby expressly incorporated herein by reference.

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As per claim 3, line 2, - - light emitted diodes - - has been inserted before "LEDs".

As per claim 12, line 2, - -light emitted diodes- - has been inserted before "LEDs" .

As per claim 19, line 2, - -light emitted diodes- - has been inserted before " LEDs" .

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

Claims 1, 10 and 17 are allowable over the art of record based on the applicant's arguments dated 9/28/2016.

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."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANTZY POINVIL whose telephone number is (571)272-6797. The examiner can normally be reached on Monday-Thursday from 7:00AM to 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexander Kalinowski can be reached on (571) 272-6771. 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.

/Frantzy Poinvil/
Primary Examiner
Art Unit 3691

/FP/
October 4, 2016