

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 including a display, and one or more radio transceivers:

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

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 a user of the mobile device with an available payment accepting unit of the one or more payment accepting units;

establishing via the one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units;

after establishing the wireless connection, presenting on the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction;

exchanging information with the available payment accepting unit via the one or more radio transceivers, in conjunction with the vending transaction; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device.

2. 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.

3. The method of claim 2, wherein the updated user interface of the mobile payment application includes 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.

4. The method of claim 1, wherein the information indicates completion of the vending transaction between the user of the mobile device and the available payment accepting unit.

5. The method of claim 4, wherein the mobile device includes a long-range transceiver and the information at least includes an amount of the completed vending transaction, and the method further comprises:

sending at least the amount of the completed vending transaction to a server via the long-range transceiver.

6. The method of claim 1, wherein the information indicates abortion of the vending transaction initiated by the user of the mobile device.

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

8. A mobile device, comprising:

one or more radio transceivers;

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:

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

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 a user of the mobile device with an available payment accepting unit of the one or more payment accepting units;

establishing via the one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units;

after establishing the wireless connection, presenting on the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction; exchanging information with the available payment accepting unit via the one or more radio transceivers, in conjunction with the vending transaction; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device.

9. 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:

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

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 a user of the mobile device with an available payment accepting unit of the one or more payment accepting units;

establishing via the one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units;

after establishing the wireless connection, presenting on the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction; exchanging information with the available payment accepting unit via the one or more radio transceivers, in conjunction with the vending transaction; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device.

10. 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 payment accepting unit; and

in accordance with a determination that the user is walking away from the available payment accepting unit, canceling the wireless connection.

11. The method of claim 1, wherein the information reflects a status of the vending transaction for a product stocked by the available payment accepting unit.

12. The method of claim 1, further comprising:

in addition to exchanging the information, receiving, via the one or more radio transceivers, a coupon that is targeted to the user of the mobile device based on the vending transaction.

13. 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 payment accepting unit;

the mobile device sends a message to the payment module via the one or more radio transceivers of the mobile device in conjunction with the vending transaction;

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

the mobile device obtains, via the one or more radio transceivers, the information from the payment module based on the message.

14. The method of claim 1, wherein the user interface of the mobile payment application presented after establishing via the wireless connection indicates that the wireless connection has been established with the available payment accepting unit.

15. The method of claim 1, wherein the user interface of the mobile payment application presented after establishing via the wireless connection includes:

a visual representation of available payment accepting unit;

an indication of a prepared balance; and

an affordance that when slid, indicates the initiation of the vending transaction.

16. The method of claim 15, wherein the affordance is slid in response to receiving a user input of swipe on the affordance displayed on the display of the mobile device.

17. The method of claim 1, wherein:

the wireless connection is established via a first transceiver of the one or more transceivers;

the information is exchanged via a second transceiver of the one or more transceivers;
and

the first transceiver is different from the second transceiver.

18. The method of claim 1, wherein the predefined radio messages are broadcasted by the one or more payment accepting units indicating status of the one or more payment accepting units.



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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
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DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Claim Objections

2. Claim 2 is objected to because of the following informalities:

As per claim 2, the acronym “LEDs” should clearly be spelled out.

Appropriate correction is required.

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.

4. Claim(s) 1-9, 12-14 and 17 is/are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Chutorash et al. (US Pub. No. 2010/0280956).

As per claims 1, 8, 9, Chutorash et al disclose a system, method and computer program product for providing at least a user with a mobile device or a device in their vehicle to conduct financial transactions with a nearby merchant via wired or wireless communications. See the abstract and figure 1A of Chutorash et al. Accordingly, Chutorash et al disclose :

identifying one or more payment accepting units (**merchant 504 of Chutorash et al**) in proximity to the mobile device (**navigation device 2500 of Chutorash et al**) that are available to accept payment from a mobile payment application executing on the mobile device, the identifying including detecting

predefined radio messages broadcast by the one or more payment accepting units **(using communication device 2514 over communication network 2516 of Chutorash et al.)**;

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 a user of the mobile device with an available payment accepting unit of the one or more payment accepting units **(see paragraphs [0208] and [0125] - [0129] of Chutorash et al.)**;

establishing via the one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units **(see paragraphs [0208] - [0209] and [0125] - [0129] of Chutorash et al.)**;

after establishing the wireless connection, presenting on the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction **(see paragraphs [0208] - [0209] and [0125] - [0129] of Chutorash et al.)**;

exchanging information with the available payment accepting unit via the one or more radio transceivers, in conjunction with the vending transaction **(see paragraphs [0208] - [0209] and [0125] - [0129] of Chutorash et al.)** ; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device **(see paragraphs [0208] - 0209] and [0125] - [0129] of Chutorash et al.)**.

As per claim 2, Chutorash et al disclose 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. (**See paragraphs [0125] - [0129] of Chutorash et al.) .**

As per claim 3, Chutorash et al disclose the updated user interface of the mobile payment application includes 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 paragraphs [0208] - [0209] and [0125] - [0129] of Chutorash et al.) .**

As per claim 4, Chutorash et al disclose the information indicates completion of the vending transaction between the user of the mobile device and the available payment accepting unit. (**See paragraphs [0208] - [0209] and [0125] - [0129] of Chutorash et al.) .**

As per claim 5, Chutorash et al disclose the mobile device includes a long-range transceiver and the information at least includes an amount of the completed vending transaction, and the method further comprises: sending at least the amount of the completed vending transaction to a server via the long-range transceiver. (**See paragraphs [0208] - [0209] and [0125] - [0129] of Chutorash et al.) .**

As per claim 6, Chutorash et al disclose the information inherently indicates abortion of the vending transaction initiated by the user of the mobile device (when a receipt is provided or when the devices are not within range to communicate and within a set time period of inactivity or a system failure).

As per claim 7, Chutorash et al inherently disclose wherein the information indicates failure of the vending transaction initiated by the user of the mobile device or a malfunction associated with

the available payment accepting unit when a receipt is provided or when the devices are not within range to communicate and within a set time of inactivity or a system failure) .

As per claim 12, Chutorash et al disclose in addition to exchanging the information, receiving, via the one or more radio transceivers, a coupon that is targeted to the user of the mobile device based on the vending transaction. **See paragraphs [0170] and [0192] of Chutorash et al.**

As per claim 13, (see **figures 25 and paragraphs [0208] - [0209] and [0125] - [0129] of Chutorash et al.) .**

As per claim 14, Chutorash et al. disclose the user interface of the mobile payment application presented after establishing via the wireless connection indicates that the wireless connection has been established with the available payment accepting unit. **See paragraphs [0066] , [0170] and [0192] of Chutorash et al.**

As per claim 17, Chutorash et al disclose the wireless connection is established via a first transceiver of the one or more transceivers, the information is exchanged via a second transceiver of the one or more transceivers, and the first transceiver is different from the second transceiver. Applicant is directed to **figures 25 and paragraphs [0208] - [0209] and [0125] - [0129] of Chutorash et al. .**

Claim Rejections - 35 USC § 103

5. 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, 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 10 and 18 is/are rejected under 35 U.S.C. 103 as being unpatentable over Chutorash et al. (US Pub. No. 2010/0280956) as applied to claim 1 above in view of Duplan (US Pub. No, 2013/0275305) .

As per claim 10, the teachings of Chutorash et al are discussed above. Chutorash et al do not explicitly teach 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 payment accepting unit, and in accordance with a determination that the user is walking away from the available payment accepting unit, canceling the wireless connection.

Duplan discloses a system and method for broadcasting radio messages to a nearby mobile device for initiating a financial transaction. See the abstract of Duplan. Duplan discloses determining using the accelerometer of the mobile device, whether a mobile device user is walking away from a payment device and canceling broadcasting and/or transaction if the determined distance meets a threshold distance. See paragraphs [0098] and [0105] . It would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teachings of Duplan into the system, method and computer program product of Chutorash et al in order to stop transactions based on a system failure or inactivity which may distract a transaction in progress thereby avoiding errors in the transaction.

As per claim 18, the teachings of Chutorash et al are discussed above. Chutorash et al do not explicitly state the predefined radio messages are broadcasted by the one or more payment accepting units indicating status of the one or more payment accepting units. Chutorash et al state transmitting signals between a merchant and a mobile device. See paragraphs [0066] and [0097] of Chutorash et al. Chutorash et al further state that a payment accepting unit such as a merchant device initializes a transaction. See paragraph [0131] of Chutorash et al. Communications systems for broadcasting radio messages to/from a mobile device and a merchant device is well known in the art as exemplified by Duplan at paragraphs [0034] , [0045] and [0047] of Duplan. It would have been obvious to one of

ordinary skill in the art at the time the invention was made to incorporate this teaching in the system, method and computer program product of Chutorash et al in order to allow a user with a visual/audio message that the user can instantly notice.

6. Claims 11, 15 and 16 is/are rejected under 35 U.S.C. 103 as being unpatentable over Chutorash et al. (US Pub. No. 2010/0280956).

As per claim 11, Chutorash et al discuss that a merchant is may be a vendor of goods/items or services. Maintaining the status of the vending transaction for a product stocked by the available payment accepting unit would have been obvious to one of ordinary skill in the art to do in the system, method and computer program product of Chutorash et al for inventory and accounting purposes.

As per claims 15 and 16, Chutorash et al disclose at least an affordance for performing one ore financial transactions. See figure 2h and paragraphs [0035] and [0044] of Chutorash et al.

Chutorash et al do not explicitly state the user interface of the mobile payment application presented after establishing via the wireless connection includes: a visual representation of available payment accepting unit; an indication of a prepared balance, and an affordance that when slid, indicates the initiation of the vending transaction., and wherein the affordance is slid in response to receiving a user input of swipe on the affordance displayed on the display of the mobile device.

It would have been obvious to one of ordinary skill in the art to note the performance of an affordance as their usage are routine and conventional. This is a well- known technique on user- interactive graphical user interface for displaying data on display screens and touch sensitive devices.

Double Patenting

7. The nonstatutory **double patenting** rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory **double patenting** ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-18 are rejected under the judicially created doctrine of obviousness-type **double patenting** as being unpatentable over claims 1-23 of U.S. Patent No. 9,659,296. Although the conflicting claims are not identical, they are not patentably distinct from each other because claims 1-18 of the instant application are directed to a similar subject matter contained in claims 1-23 of the '296 patent. The only difference between the instant application and the '296 patent is merely a labeling difference. It is noted that all the features of claims 1-18 are contained in claims 1-23 of the '296 patent.

Conclusion

8. 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 M-Th 7:00AM to 5:30PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

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.

/FP/

6/7/2019

/FRANTZY POINVIL/
Primary Examiner, Art Unit 3691

Electronically filed September 10, 2019

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Paresh K. Patel	Confirmation No.:	7796
Serial No.:	15/603,400	Art Unit:	3691
Filed:	May 23, 2017	Examiner:	Poinvil, Frantzy
For:	<i>Method and System for Presenting Representations of Payment Accepting Unit Events</i>	Atty. Docket No.:	104402-5034-US

AMENDMENT AND INTERVIEW SUMMARY

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

Sir:

The enclosed Amendment is in response to the Office Action dated June 12, 2019 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. 104402-5034-US).

IN THE CLAIMS:

Rewrite the pending claims and add new claims as follows:

1. (Currently Amended) 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 including a display, and one or more radio transceivers:

identifying one or more payment accepting units in proximity to the mobile device that are available to accept payment from a mobile payment application executing on the mobile device, the identifying including detecting predefined radio messages broadcast by the one or more payment accepting units, wherein the one or more payment accepting units are vending machines that accept payment for dispensing of products and/or services;

displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to display a visual indication of the one or more payment accepting units and accept user input to (i) receive selection by a user of the mobile device of an available payment accepting unit of the one or more payment accepting units and (ii) trigger payment by the mobile payment application for a vending transaction initiated by ~~[[a]]~~ the user of the mobile device with ~~an~~ the available payment accepting unit of the one or more payment accepting units;

establishing via the one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units;

after establishing the wireless connection, presenting on the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction;

exchanging information with the available payment accepting unit via the one or more radio transceivers, in conjunction with the vending transaction; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device.

2. (Currently Amended) 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 light emitting diodes (LEDs), and a vibration mechanism.
3. (Original) The method of claim 2, wherein the updated user interface of the mobile payment application includes 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.
4. (Original) The method of claim 1, wherein the information indicates completion of the vending transaction between the user of the mobile device and the available payment accepting unit.
5. (Original) The method of claim 4, wherein the mobile device includes a long-range transceiver and the information at least includes an amount of the completed vending transaction, and the method further comprises:
 - sending at least the amount of the completed vending transaction to a server via the long-range transceiver.
6. (Original) The method of claim 1, wherein the information indicates abortion of the vending transaction initiated by the user of the mobile device.
7. (Original) The method of claim 1, wherein the information indicates failure of the vending transaction initiated by the user of the mobile device or a malfunction associated with the available payment accepting unit.
8. (Currently Amended) A mobile device, comprising:
 - one or more radio transceivers;
 - 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:

identifying one or more payment accepting units in proximity to the mobile device that are available to accept payment from a mobile payment application executing on the mobile device, the identifying including detecting predefined radio messages broadcast by the one or more payment accepting units, wherein the one or more payment accepting units are vending machines that accept payment for dispensing of products and/or services;

displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to display a visual indication of the one or more payment accepting units and accept user input to (i) receive selection by a user of the mobile device of an available payment accepting unit of the one or more payment accepting units and (ii) trigger payment by the mobile payment application for a vending transaction initiated by ~~[[a]]~~ the user of the mobile device with ~~an~~ the available payment accepting unit of the one or more payment accepting units;

establishing via the one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units;

after establishing the wireless connection, presenting on the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction;

exchanging information with the available payment accepting unit via the one or more radio transceivers, in conjunction with the vending transaction; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device.

9. (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:

identifying one or more payment accepting units in proximity to the mobile device that are available to accept payment from a mobile payment application executing on the mobile device, the identifying including detecting predefined radio messages broadcast by the one or more payment accepting units, wherein the one or more payment accepting units are vending machines that accept payment for dispensing of products and/or services;

displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to display a visual indication of the one or more payment accepting units and accept user input to (i) receive selection by a user of the mobile device of an available payment accepting unit of the one or more payment accepting units and (ii) trigger payment by the mobile payment application for a vending transaction initiated by [[a]] the user of the mobile device with ~~an~~ the available payment accepting unit of the one or more payment accepting units;

establishing via the one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units;

after establishing the wireless connection, presenting on the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction; exchanging information with the available payment accepting unit via the one or more radio transceivers, in conjunction with the vending transaction; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device.

10. (Original) 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 payment accepting unit; and

in accordance with a determination that the user is walking away from the available payment accepting unit, canceling the wireless connection.

11. (Original) The method of claim 1, wherein the information reflects a status of the vending transaction for a product stocked by the available payment accepting unit.

12. (Original) The method of claim 1, further comprising:

in addition to exchanging the information, receiving, via the one or more radio transceivers, a coupon that is targeted to the user of the mobile device based on the vending transaction.

13. (Original) 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 payment accepting unit;
the mobile device sends a message to the payment module via the one or more radio transceivers of the mobile device in conjunction with the vending transaction;
the available payment accepting unit sends the message to the payment module in conjunction with the vending transaction; and
the mobile device obtains, via the one or more radio transceivers, the information from the payment module based on the message.
14. (Original) The method of claim 1, wherein the user interface of the mobile payment application presented after establishing via the wireless connection indicates that the wireless connection has been established with the available payment accepting unit.
15. (Original) The method of claim 1, wherein the user interface of the mobile payment application presented after establishing via the wireless connection includes:
a visual representation of available payment accepting unit;
an indication of a prepared balance; and
an affordance that when slid, indicates the initiation of the vending transaction.
16. (Original) The method of claim 15, wherein the affordance is slid in response to receiving a user input of swipe on the affordance displayed on the display of the mobile device.
17. (Original) The method of claim 1, wherein:
the wireless connection is established via a first transceiver of the one or more transceivers;
the information is exchanged via a second transceiver of the one or more transceivers;
and
the first transceiver is different from the second transceiver.
18. (Original) The method of claim 1, wherein the predefined radio messages are broadcasted by the one or more payment accepting units indicating status of the one or more payment accepting units.

19. (New) The method of claim 1, wherein the one or more payment accepting further comprise one or more of: parking meters, toll booths, laundromat washers, laundromat dryers, arcade games, kiosks, photo booths, toll booths, and/or transit ticket dispensing machines.

20. (New) The method of claim 1, wherein the wireless connection between the mobile device and the available payment accepting unit is a Bluetooth connection, a Bluetooth Smart connection, a Bluetooth Low Energy connection, a near-field communication connection, an Ultra Wideband connection, a radio frequency identification connection, an infrared wireless connection, and/or an induction wireless connection.

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Applicant/Patent under Reexamination: Patel

Electronic Terminal Disclaimer filed on September 10, 2019

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	
Application Number	15603400	
Filing Date	23-May-2017	
First Named Inventor	Paresh Patel	
Attorney Docket Number	104402-5034-US	
Title of Invention	Method and System for Presenting Representations of Payment Accepting Unit Events	
☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action ☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.		
Owner	Percent Interest	
PAYRANGE INC.	100%	
The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s) 9659296 as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns. In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later: - expires for failure to pay a maintenance fee; - is held unenforceable; - is found invalid by a court of competent jurisdiction; - is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321; - has all claims canceled by a reexamination certificate; - is reissued; or - is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer. ☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.		

☐ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.	
Applicant claims the following fee status: ☒ Small Entity ☐ Micro Entity ☐ Regular Undiscounted	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.	
THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES I certify, in accordance with 37 CFR 1.4(d)(4) that I am: ☒ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application Registration Number <u>39951</u> ☐ A sole inventor ☐ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application ☐ A joint inventor; all of whom are signing this request	
Signature	/Douglas J. Crisman/
Name	Douglas J. Crisman

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
 Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Acknowledgement Receipt

EFS ID:	37114646
Application Number:	15603400
International Application Number:	
Confirmation Number:	7796
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:	104402-5034-US
Receipt Date:	10-SEP-2019
Filing Date:	23-MAY-2017
Time Stamp:	17:01:44
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 160
RAM confirmation Number	E201990H01256321
Deposit Account	
Authorized User	

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

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	33364	no	2
			80b72ac201f295ed2135bff86674cb7374022232		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30577	no	2
			746b55d292a25eba7ab5e1fdc3cf9cf09f359399		
Warnings:					
Information:					
Total Files Size (in bytes):			63941		
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. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

Electronic Acknowledgement Receipt

EFS ID:	37122427
Application Number:	15603400
International Application Number:	
Confirmation Number:	7796
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:	104402-5034-US
Receipt Date:	10-SEP-2019
Filing Date:	23-MAY-2017
Time Stamp:	16:59:52
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		104402-5034-US_Response.pdf	215821 7e50f9f188a3afc7b5784a2427b3707a8bb5250a	yes	12

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	7
	Applicant Arguments/Remarks Made in an Amendment	8	12

Warnings:

Information:

Total Files Size (in bytes):	215821
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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 June 12, 2019. In the office action the Examiner:

- objected to claim 2 because of informalities;
- rejected claims 1-9, 12-14, and 17 under 35 U.S.C. 102(a)(1) as being anticipated by Chutorash et al. (US 2010/0280956);
- rejected claims 10 and 18 under 35 U.S.C. 103 as being unpatentable over Chutorash, as applied to claim 1 above, in view of Duplan (US 2013/0275305);
- rejected claims 11, 15, and 16 under 35 U.S.C. 103 as being unpatentable over Chutorash; and
- rejected claims 1-18 for obviousness-type double patenting as being unpatentable over claims 1-23 of U.S. Patent No. 9,659,296.

INTERVIEW SUMMARY

Applicant's attorneys thank Examiner Poinvil for the opportunity to discuss the application during a telephone interview on July 29, 2019 with Douglas Crisman and Benjamin Pezzner. In the interview, the participants proposed clarifications to the independent claims regarding details of the payment accepting units and their selection. The Examiner noted that these clarifications appear to distinguish over the cited references, subject to further search and consideration. Claims 1, 8, and 9 have been amended accordingly. The Examiner is invited to call the undersigned attorney at (650) 843-4000, if a telephone call could help resolve any remaining items.

AMENDMENTS TO THE CLAIMS

Claims 1, 2, 8, and 9 have been amended. Claims 19 and 20 are new. Support for the amendments can be found in at least paragraphs 0004 (payment accepting unit), 00118-00121 and Figures 10A-10D (visual indication and selection of available payment accepting unit), and 0067 (wireless connection). No new matter has been added. After entry of this amendment, claims 1-20 are pending.

REMARKS CONCERNING OBJECTIONS

I. OBJECTED TO CLAIM 2 BECAUSE OF INFORMALITIES

Claim 2 has been amended as suggested by the Examiner. The Applicant respectfully requests that this objection be withdrawn.

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

II. REJECTION OF CLAIMS 1-9, 12-14, AND 17 UNDER 35 U.S.C. 102(A)(1) AS BEING ANTICIPATED BY CHUTORASH

Claim 1 as amended is reproduced below for reference. Independent claims 8 and 9 include similar limitations.

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 including a display, and one or more radio transceivers:

identifying one or more payment accepting units **in proximity to the mobile device** that are available to accept payment from a mobile payment application executing on the mobile device, the identifying including detecting predefined radio messages broadcast by the one or more payment accepting units, wherein the one or more payment accepting units are vending machines that accept payment for dispensing of products and/or services;

displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to display a visual indication of the one or more payment accepting units and accept user input to (i) receive selection by a user of the mobile device of an available payment accepting unit of the one or more payment accepting units and (ii) trigger payment by the mobile payment application for a **vending transaction** initiated by the user of the mobile device with the available payment accepting unit of the one or more payment accepting units;

establishing via the one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units;

after establishing the wireless connection, presenting on the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction;

exchanging information with the available payment accepting unit via the one or more radio transceivers, in conjunction with the vending transaction; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device.

The Office Action relies on paragraphs 0125-0129 and 0208-0209 of Chutorash to address the bolded limitations above.

First, Chutorash does not teach or suggest “identifying one or more payment accepting units *in proximity to the mobile device*.” Instead, Chutorash defines the merchant 504 as being “remotely located from the vehicle” (see 0101), which is the opposite of “in proximity,” as claimed.

Second, Chutorash does not teach or suggest “trigger[ing] payment by the mobile payment application for a *vending transaction*.” Instead, Chutorash describes purchasing information such as “directions or traffic information, news headlines or other small data sets” (see 0125), none of which are part of a “vending transaction,” as claimed.

Third, Chutorash does not teach or suggest “enabling user interaction ... to complete the vending transaction” “*after* establishing the wireless connection ... [with] the available payment accepting unit.” Instead, Chutorash describes pressing a “buy” button *before* “connect[ing] to WSO” (see 0125 and Fig. 8A).

For at least these reasons, independent claims 1, 8, and 9 are patentable over Chutorash. Claims 2-7, 12-14, and 17 depend from claim 1 and are therefore patentable for at least the same reasons discussed above.

In addition, the Applicant has amended claims 1, 8, and 9 to include two clarifications that, as the Examiner agreed during the interview, appear to distinguish the claims over Chutorash.

First, the claims as amended clarify that the payment accepting units are “vending machines that accept payment for dispensing of products and/or services.” The merchant in Chutorash is not a “vending machine,” and it does not accept payment for “dispensing of products and/or services.”

Second, the claims as amended clarify that the user interface is configured to “display a visual indication” of the payment accepting units and accept user input to “receive selection ... of an available payment accepting unit.” The user interface in Chutorash is not configured to perform these functions.

For at least the reasons discussed above, claims 1, 8, and 9 are patentable over Chutorash. Claims 2-7, 12-14, and 17 depend from claim 1 and are therefore patentable for at least the same reasons discussed above.

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

III. REJECTION OF CLAIMS 10 AND 18 UNDER 35 U.S.C. 103 AS BEING UNPATENTABLE OVER CHUTORASH AS APPLIED TO CLAIM 1 ABOVE, IN VIEW OF DUPLAN

Claims 10 and 18 depend from claim 1 and are therefore patentable for at least the reasons discussed above. Duplan is not relied on to teach, nor does it teach, the limitations discussed above.

IV. REJECTION OF CLAIMS 11, 15, AND 16 UNDER 35 U.S.C. 103 AS BEING UNPATENTABLE OVER CHUTORASH

Claims 11, 15, and 16 depend from claim 1 and are therefore patentable for at least the reasons discussed above.

REMARKS CONCERNING DOUBLE PATENTING

V. REJECTION OF CLAIMS 1-18 FOR OBVIOUSNESS-TYPE DOUBLE PATENTING AS BEING UNPATENTABLE OVER CLAIMS 1-23 OF U.S. PATENT NO. 9,659,296

A terminal disclaimer is being filed concurrently with this response to address this nonstatutory double patenting rejection. The Applicant respectfully requests that this rejection be withdrawn.

CONCLUDING REMARKS

By responding in the foregoing remarks only to particular positions asserted by the Examiner, the Applicants do not necessarily acquiesce in other positions that have not been explicitly addressed. In addition, the Applicants' 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 Applicants respectfully request 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 10, 2019

<u>/Douglas J. Crisman/</u>	39,951
Douglas J. Crisman	(Reg. No.)
MORGAN, LEWIS & BOCKIUS LLP	
1400 Page Mill Road	
Palo Alto, CA 94304	
(650) 843-4000	

Electronic Patent Application Fee Transmittal

Application Number:	15603400			
Filing Date:	23-May-2017			
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:	104402-5034-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:				
STATUTORY OR TERMINAL DISCLAIMER	2814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				160

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 15/603,400		Filing Date 05/23/2017		☐ To be Mailed	
ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO									
APPLICATION AS FILED - PART I									
		(Column 1)	(Column 2)						
FOR		NUMBER FILED	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 \$40 =					
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 = *		x \$210 =					
☐ 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									
		(Column 1)		(Column 2)	(Column 3)				
AMENDMENT	09/10/2019	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	x \$50 =		0	
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0	x \$230 =		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	
		(Column 1)		(Column 2)	(Column 3)				
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =			
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =			
	☐ 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.						SLIE			
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/Theresa OKON/			
*** 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.									

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.**

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NOTICE OF ALLOWANCE AND FEE(S) DUE

24341 7590 12/18/2019
Morgan, Lewis & Bockius LLP (PA)
1400 Page Mill Road
Palo Alto, CA 94304-1124

EXAMINER

POINVIL, FRANTZY

ART UNIT

PAPER NUMBER

3691

DATE MAILED: 12/18/2019

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/603,400	05/23/2017	Paresh K. Patel	104402-5034-US	7796

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	\$500	\$0.00	\$0.00	\$500	03/18/2020

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: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

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

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

24341 7590 12/18/2019
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 transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/603,400	05/23/2017	Paresh K. Patel	104402-5034-US	7796

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	\$500	\$0.00	\$0.00	\$500	03/18/2020

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 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

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

2 _____

3 _____

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

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). 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. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

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

☐ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.				
15/603,400	05/23/2017	Paresh K. Patel	104402-5034-US	7796				
24341 7590 12/18/2019 Morgan, Lewis & Bockius LLP (PA) 1400 Page Mill Road Palo Alto, CA 94304-1124								
EXAMINER								
POINVIL, FRANTZY								
<table border="1"><thead><tr><th>ART UNIT</th><th>PAPER NUMBER</th></tr></thead><tbody><tr><td>3691</td><td></td></tr></tbody></table>					ART UNIT	PAPER NUMBER	3691	
ART UNIT	PAPER NUMBER							
3691								
DATE MAILED: 12/18/2019								

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 30 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) 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. 15/603,400	Applicant(s) Patel, Paresh K.	
	Examiner FRANTZY POINVIL	Art Unit 3691	AIA (FITF) 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 remarks filed 9/10/2019.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

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

Certified copies:

a) ☐ All b) ☐ Some *c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

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

/FRANTZY POINVIL/ Primary Examiner, Art Unit 3691	
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DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

EXAMINER'S AMENDMENT

2. 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 paragraph [0001] of the specification, under the "PRIORITY CLAIM" section at line 2, the phrase - -now U.S. Patent No. 9,659,296 - - has been inserted before "which" .

Allowable Subject Matter

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

The prior art taken alone or in combination failed to teach or suggest:

"displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to display a visual indication of the one or more payment accepting units and accept user input to (i) receive selection by a user of the mobile device of an available payment accepting unit of the one or more payment accepting units and (ii) trigger payment by the mobile payment application for a vending transaction initiated by the user of the mobile device with an the available payment accepting unit of the one or more payment accepting units;" as recited in independent claims 1, 8 and 9.

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

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 M-Th 7:00AM to 5:30PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

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.

/FP/

/FRANTZY POINVIL/
Primary Examiner, Art Unit 3691

November 12, 2019

Electronically filed March 12, 2020

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Paresh K. Patel	Confirmation No.:	7796
Serial No.:	15/603,400	Art Unit:	3691
Filed:	May 23, 2017	Examiner:	Poinvil, Frantzy
For:	<i>Method and System for Presenting Representations of Payment Accepting Unit Events</i>	Atty. Docket No.:	104402-5034-US

PRELIMINARY AMENDMENT

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

Sir:

The enclosed is a Preliminary Amendment 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. 104402-5034-US).

IN THE CLAIMS:

Rewrite the pending claims and add new claims as follows:

1. (Currently Amended) 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 including a display, and one or more radio transceivers:

identifying one or more payment accepting units in proximity to the mobile device that are available to accept payment from a mobile payment application executing on the mobile device, the identifying including detecting predefined radio messages broadcast by the one or more payment accepting units, wherein the one or more payment accepting units are vending machines that accept payment for dispensing of products and/or services;

displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to display a visual indication of the one or more payment accepting units and accept user input to (i) receive selection by a user of the mobile device of an available payment accepting unit of the one or more payment accepting units and (ii) trigger payment by the mobile payment application for a vending transaction initiated by the user of the mobile device with the available payment accepting unit of the one or more payment accepting units;

establishing via the one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units;

after establishing the wireless connection, presenting on the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction;

exchanging information with the available payment accepting unit via the one or more radio transceivers, in conjunction with the vending transaction; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device.

2. (Currently Amended) The ~~method~~ mobile device of claim ~~[[1]]~~8, wherein the one or more output devices of the mobile device include at least one of: one or more speakers, one or more light emitting diodes (LEDs), and a vibration mechanism.
3. (Currently Amended) The method of claim ~~[[2]]~~1, wherein the updated user interface of the mobile payment application includes 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/or
 - a visual alert from ~~the~~ one or more LEDs of the mobile device.
4. (Original) The method of claim 1, wherein the information indicates completion of the vending transaction between the user of the mobile device and the available payment accepting unit.
5. (Original) The method of claim 4, wherein the mobile device includes a long-range transceiver and the information at least includes an amount of the completed vending transaction, and the method further comprises:
 - sending at least the amount of the completed vending transaction to a server via the long-range transceiver.
6. (Original) The method of claim 1, wherein the information indicates abortion of the vending transaction initiated by the user of the mobile device.
7. (Original) The method of claim 1, wherein the information indicates failure of the vending transaction initiated by the user of the mobile device or a malfunction associated with the available payment accepting unit.
8. (Currently Amended) A mobile device, comprising:
 - one or more radio transceivers;
 - 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:

identifying one or more payment accepting units in proximity to the mobile device that are available to accept payment from a mobile payment application executing on the mobile device, the identifying including detecting predefined radio messages broadcast by the one or more payment accepting units, wherein the one or more payment accepting units are vending machines that accept payment for dispensing of products and/or services;

displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to display a visual indication of the one or more payment accepting units and accept user input to (i) receive selection by a user of the mobile device of an available payment accepting unit of the one or more payment accepting units and (ii) trigger payment by the mobile payment application for a vending transaction initiated by the user of the mobile device with the available payment accepting unit of the one or more payment accepting units;

establishing via the one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units;

after establishing the wireless connection, presenting on the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction;

exchanging information with the available payment accepting unit via the one or more radio transceivers, in conjunction with the vending transaction; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device.

9. (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~~ one or more radio transceivers, cause the mobile device to perform operations comprising:

identifying one or more payment accepting units in proximity to the mobile device that are available to accept payment from a mobile payment application executing on the mobile device, the identifying including detecting predefined radio messages broadcast by the

one or more payment accepting units, wherein the one or more payment accepting units are vending machines that accept payment for dispensing of products and/or services;

displaying a user interface of the mobile payment application on the display of the mobile device, the user interface being configured to display a visual indication of the one or more payment accepting units and accept user input to (i) receive selection by a user of the mobile device of an available payment accepting unit of the one or more payment accepting units and (ii) trigger payment by the mobile payment application for a vending transaction initiated by the user of the mobile device with the available payment accepting unit of the one or more payment accepting units;

establishing via the ~~short-range transceiver~~ one or more radio transceivers a wireless connection between the mobile device and the available payment accepting unit of the one or more payment accepting units;

after establishing the wireless connection, presenting ~~on~~ the user interface of the mobile payment application and enabling user interaction with the user interface of the mobile payment application to complete the vending transaction;

exchanging information with the available payment accepting unit via the ~~short-range transceiver~~ one or more radio transceivers, in conjunction with the vending transaction; and

in response to receiving the information, displaying, on the display, an updated user interface of the mobile payment application to the user of the mobile device.

10. (Original) 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 payment accepting unit; and

in accordance with a determination that the user is walking away from the available payment accepting unit, canceling the wireless connection.

11. (Original) The method of claim 1, wherein the information reflects a status of the vending transaction for a product stocked by the available payment accepting unit.

12. (Original) The method of claim 1, further comprising:

in addition to exchanging the information, receiving, via the one or more radio transceivers, a coupon that is targeted to the user of the mobile device based on the vending transaction.

13. (Currently Amended) The ~~method~~ mobile device of claim [[1]]8, 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 payment accepting unit;

the mobile device sends a message to the payment module via the one or more radio transceivers of the mobile device in conjunction with the vending transaction;

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

the mobile device obtains, via the one or more radio transceivers, the information from the payment module based on the message.

14. (Original) The method of claim 1, wherein the user interface of the mobile payment application presented after establishing via the wireless connection indicates that the wireless connection has been established with the available payment accepting unit.

15. (Original) The method of claim 1, wherein the user interface of the mobile payment application presented after establishing via the wireless connection includes:

a visual representation of available payment accepting unit;

an indication of a prepared balance; and

an affordance that when slid, indicates the initiation of the vending transaction.

16. (Original) The method of claim 15, wherein the affordance is slid in response to receiving a user input of swipe on the affordance displayed on the display of the mobile device.

17. (Currently Amended) The ~~method~~ mobile device of claim [[1]]8, wherein:

the wireless connection is established via a first transceiver of the one or more transceivers;

the information is exchanged via a second transceiver of the one or more transceivers; and

the first transceiver is different from the second transceiver.

18. (Original) The method of claim 1, wherein the predefined radio messages are broadcasted by the one or more payment accepting units indicating status of the one or more payment accepting units.

19. (Currently Amended) The ~~method~~ mobile device of claim [[1]]8, wherein the one or more payment accepting units further comprise one or more of: parking meters, toll booths, laundromat washers, laundromat dryers, arcade games, kiosks, photo booths, toll booths, and/or transit ticket dispensing machines.

20. (Currently Amended) The ~~method~~ mobile device of claim [[1]]8, wherein the wireless connection between the mobile device and the available payment accepting unit is a Bluetooth connection, a Bluetooth Smart connection, a Bluetooth Low Energy connection, a near-field communication connection, an Ultra Wideband connection, a radio frequency identification connection, an infrared wireless connection, and/or an induction wireless connection.

21. (New) The non-transitory computer readable storage medium of claim 9, wherein the updated user interface of the mobile payment application includes 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/or
- a visual alert from one or more LEDs of the mobile device.

22. (New) The non-transitory computer readable storage medium of claim 9, wherein the information indicates completion of the vending transaction between the user of the mobile device and the available payment accepting unit.

23. (New) The non-transitory computer readable storage medium of claim 22, wherein the information at least includes an amount of the completed vending transaction, and the instructions further cause the mobile device to send at least the amount of the completed vending transaction to a server.

24. (New) The non-transitory computer readable storage medium of claim 9, wherein the information indicates abortion of the vending transaction initiated by the user of the mobile device.

25. (New) The non-transitory computer readable storage medium of claim 9, wherein the information indicates failure of the vending transaction initiated by the user of the mobile device or a malfunction associated with the available payment accepting unit.

Electronic Acknowledgement Receipt

EFS ID:	38852728
Application Number:	15603400
International Application Number:	
Confirmation Number:	7796
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:	104402-5034-US
Receipt Date:	12-MAR-2020
Filing Date:	23-MAY-2017
Time Stamp:	18:00:20
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 250
RAM confirmation Number	E20203BI03176922
Deposit Account	
Authorized User	

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

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Preliminary Amendment	104402-5034- US_PreliminaryAmendment. pdf	131035	no	9
			68f0b47aacc19c057b5e51f629bffc68b9918f9b		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30383	no	2
			6f345371d9842c2d850c54d8c86a1e924f913a02		
Warnings:					
Information:					
Total Files Size (in bytes):			161418		
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. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

Claim Amendments

Claims 1, 3, 8, 9, and 19 have been amended to address minor informalities regarding antecedent basis.

Claims 2, 13, 17, 19, and 20 have been amended to depend from independent claim 8.

New claims 21-25 are computer readable medium versions of claims 3-7.

No new matter has been added.

After entry of this amendment, claims 1-25 are pending.

Concluding Remarks

In light of the above amendments, the Applicants respectfully request that the Examiner consider 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: March 12, 2020

/Douglas J. Crisman/ _____ Douglas J. Crisman MORGAN, LEWIS & BOCKIUS LLP 1400 Page Mill Road Palo Alto, CA 94304 (650) 843-4000	39,951 _____ (Reg. No.)
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Electronic Patent Application Fee Transmittal

Application Number:	15603400			
Filing Date:	23-May-2017			
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:	104402-5034-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:				
CLAIMS IN EXCESS OF 20	2202	5	50	250
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				250

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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/603,400	Filing Date 05/23/2017	☐ To be Mailed
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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 \$40 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		x \$210 =	
☐ 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

		(Column 1)		(Column 2)	(Column 3)	RATE (\$)	ADDITIONAL FEE (\$)	
AMENDMENT	03/12/2020	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA			
	Total (37 CFR 1.16(i))	* 25	Minus	** 20	= 5	x \$50 =	250	
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0	x \$230 =	0	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
						TOTAL ADD'L FEE	250	
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA			
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =		
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =		
	☐ 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.						SLIE		
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/SHARON M WEST/		
*** 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.								

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

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



UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

24341 7590 06/18/2020
Morgan, Lewis & Bockius LLP (PA)
1400 Page Mill Road
Palo Alto, CA 94304-1124

EXAMINER

POINVIL, FRANTZY

ART UNIT

PAPER NUMBER

3691

DATE MAILED: 06/18/2020

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/603,400	05/23/2017	Paresh K. Patel	104402-5034-US	7796

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	\$500	\$0.00	\$0.00	\$500	09/18/2020

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: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

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

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

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

24341 7590 06/18/2020
Morgan, Lewis & Bockius LLP (PA)
1400 Page Mill Road
Palo Alto, CA 94304-1124

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 transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/603,400	05/23/2017	Paresh K. Patel	104402-5034-US	7796

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	\$500	\$0.00	\$0.00	\$500	09/18/2020

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 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

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

2 _____

3 _____

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

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). 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. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

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

☐ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/603,400	05/23/2017	Paresh K. Patel	104402-5034-US	7796
24341	7590	06/18/2020	EXAMINER	
Morgan, Lewis & Bockius LLP (PA) 1400 Page Mill Road Palo Alto, CA 94304-1124			POINVIL, FRANTZY	
			ART UNIT	PAPER NUMBER
			3691	
DATE MAILED: 06/18/2020				

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 30 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. 15/603,400	Applicant(s) Patel, Paresh K.	
	Examiner FRANTZY POINVIL	Art Unit 3691	AIA (FITF) 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 Request for Continued Examination filed 2/24/2020.
☐ 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 1-25. 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)	5. ☐ Examiner's Amendment/Comment
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>2/24/2020</u> .	6. ☐ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material ____.	7. ☐ Other ____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. ____.	

/FRANTZY POINVIL/ Primary Examiner, Art Unit 3691	
--	--



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/603,400	05/23/2017	Paresh K. Patel	104402-5034-US	7796
24341	7590	11/18/2020		
Morgan, Lewis & Bockius LLP (PA)			EXAMINER	
1400 Page Mill Road			POINVIL, FRANTZY	
Palo Alto, CA 94304-1124				
			ART UNIT	PAPER NUMBER
			3691	
			NOTIFICATION DATE	DELIVERY MODE
			11/18/2020	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

Corrected Notice of Allowability	Application No. 15/603,400	Applicant(s) Patel, Paresh K.	
	Examiner FRANTZY POINVIL	Art Unit 3691	AIA (FITF) 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 Request for Continued Examination filed 2/24/2020.
☐ 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 1-25. 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.
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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).

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Attachment(s)

1. ☐ Notice of References Cited (PTO-892) 2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>10/16/2020</u> . 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____. 4. ☒ Interview Summary (PTO-413), Paper No./Mail Date. <u>11/13/2020</u> .	5. ☐ Examiner's Amendment/Comment 6. ☐ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____.
--	---

/FRANTZY POINVIL/
 Primary Examiner, Art Unit 3691



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United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/603,400	05/23/2017	Paresh K. Patel	104402-5034-US	7796
24341	7590	12/15/2020		
Morgan, Lewis & Bockius LLP (PA)			EXAMINER	
1400 Page Mill Road			POINVIL, FRANTZY	
Palo Alto, CA 94304-1124				
			ART UNIT	PAPER NUMBER
			3691	
			NOTIFICATION DATE	DELIVERY MODE
			12/15/2020	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

Corrected Notice of Allowability	Application No. 15/603,400	Applicant(s) Patel, Paresh K.	
	Examiner FRANTZY POINVIL	Art Unit 3691	AIA (FITF) 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 communication filed 11/22/2020.
☐ 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 1-25. 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)	5. ☐ Examiner's Amendment/Comment
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>11/22/2020</u> .	6. ☐ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.	7. ☐ Other _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.	

/FRANTZY POINVIL/ Primary Examiner, Art Unit 3691	
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**UNITED STATES DEPARTMENT OF COMMERCE****U.S. Patent and Trademark Office**

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR/ PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
15/603,400	05/23/2017	Patel, Paresh K.	104402-5034-US

Morgan, Lewis & Bockius LLP (PA) 1400 Page Mill Road Palo Alto, CA 94304-1124		EXAMINER	
		FRANTZY POINVIL	
		ART UNIT	PAPER
		3691	20201203

DATE MAILED: _____

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

Commissioner for Patents

1. The Information Disclosure Statement (IDS) filed 11/22/2020 has been acknowledged and entered by the Examiner. The application has been forwarded to Publication Branch.
2. 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 M-Th 7:00AM to 5:30PM. Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>. 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