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EXAMINER	
HILMANTEL, ADAM J	

ART UNIT	PAPER NUMBER
3691	

NOTIFICATION DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

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

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

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Office Action Summary	Application No. 18/463,541	Applicant(s) Cho et al.	
	Examiner ADAM J HILMANTEL	Art Unit 3691	AIA (FITF) Status Yes

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

Period for Reply

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

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

Status

1)☑ Responsive to communication(s) filed on 08 September 2023.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL.** 2b) ☑ This action is non-final.

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

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1-10 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-10 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

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

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☑ The drawing(s) filed on 08 September 2023 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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

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

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date 09/08/2023, 11/20/2023, 02/22/2024.

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

4) ☐ Other: _____.

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.

Status of Claims

1. This action is in reply to the communication(s) filed on 08 September 2023.

2. Claim(s) 1-10 is/are currently pending and have been examined.

Claim Objections

1. Claims 5 and 10 are objected to because of the following informalities:

- In Claims 5 and 10 “delete” should be “deleted”.

2. Appropriate correction is required.

Claim Rejections - 35 USC § 112

1. The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1-10 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor (or for applications subject to pre-AIA 35 U.S.C. 112, the applicant), regards as the invention.

3. Claims 1 and 5 recite “concerning payment card credentials”. It is unclear if these payment card credentials are the same as the previously recited “payment card credentials” recited in the preamble or are new payment card credentials. Examiner will interpret it to recite “concerning the payment card credentials” for purposes of examination.

4. Claims 1 and 5 recite “of the payment card”. There is insufficient antecedent basis for this limitation in the claim given that the only prior recitations relating to this payment card are of “payment card credentials” (plural and not necessarily the card itself) and “payment card representation” (i.e. not the card itself). Examiner will interpret it to recite “of a payment card associated with the payment card credentials provision to the IoT device” for purposes of examination.

5. Claims 4 and 9 recite in part "…a suspend card option and a delete card option…". It is unclear if this suspend card option and delete card option are the same as the previously recited "a suspend card option and a delete card option" recited in Claims 1 and 5 respectively or are new options. Examiner will interpret them to recite "a second suspend card option and a second delete card option" for purposes of examination.

6. Claims 4 and 9 recite in part "a payment card representation" it is unclear if this payment card representation is the same as the previously recited "a payment card representation" in Claims 1 and 5 respectively or is a new payment card representation. Examiner will interpret it to recite "the payment card representation" for purposes of examination.

7. Claims 4 and 9 recite "receiving, by the mobile device processor from the touch screen, selection by the user of a card management option;". It is unclear if this selection by the user of a card management option is the same as the prior recited "selection by the user of a card option" recited in Claims 1 and 5 respectively or is a new selection. Examiner will interpret it to recite "a second selection by the user of a card management option" for purposes of examination.

8. Any remaining claims not expounded upon are rejected based on their dependency to a rejected claim.

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

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

Step 1 of the 101 Analysis:

Claims 1-10 are rejected under 35 U.S.C. 101 because the claimed invention is directed to an abstract idea without significantly more. The claims recites a method and system for a digital wallet for the provisioning and management of tokens. These are a process and machine which are within the four categories of statutory subject matter.

Step 2A Prong 1 of the 101 Analysis:

The following limitations and/or similar versions are found in claim(s) 1 and 6:

- **Claims 1 and 6:**
  - "receiving, …, selection by the user of the card management option;"
  - "receiving, …, selection by the user of an icon associated with an IoT device;"
  - "receiving,…, selection by the user of a card management option;"

- transmitting,… based on the selection, instructions … to one of delete the payment card credentials or suspend the payment card credentials."

These limitations, as drafted, are a process that, under its broadest reasonable interpretation, describes Commercial or Legal Interactions but for the recitation of generic computer components. That is, other than reciting "an Internet of Things (IoT) device", "a mobile device processor", "a consumer mobile device", "a memory", "an input component", "a biometric sensor", "a touch screen", "a merchant device", or "a third party device" nothing in the claims' elements precludes the steps from practically describing Commercial or Legal Interactions. For example, but for the recited computer language, the limitations in the context of this claim describes Marketing or Sales Activities or Behaviors. A Marketing or Sales Activity is described when suspending, unsuspending, or removing account token information from a source. If a claim limitations, under their broadest reasonable interpretation, describes Commercial or Legal Interactions but for the recitation of generic computer components, then it falls within the "Certain Methods of Organizing Activity" grouping of abstract ideas.

Dependent claim(s) 3-4 and 8-9 are directed to the following:

- **Claim(s) 3 and 8:**
    - "receiving, … , selection of the unsuspend card option by the user;"
    - "transmitting, …, instructions to the IoT device to unsuspend the payment card credentials."
- **Claim(s) 4 and 9:**
    - "receiving, …, selection by the user of one of a merchant identifier or a third party identifier;"
    - "receiving, …, selection by the user of a card management option;"
    - "transmitting, …, instructions …to one of delete or suspend the payment card credentials."

These processes are similar to the abstract idea noted in the independent claims because they further the limitations of the independent claim which are directed to a judicial exception. Accordingly, these claim elements do not serve to confer subject matter eligibility to the claims since they are directed to abstract ideas.

Dependent claim(s) 2 and 7 include the following limitations which are not directed to any additional abstract ideas and are also not directed to any additional non-abstract claim elements:

- **Claim(s) 2 and 7:**

- "…wherein the card management options further comprise an unsuspend card option."

Rather, these claims offer further descriptive limitations of elements found in the independent claims and addressed above - such as by describing the nature and content of the data that is received/sent. While these descriptive elements may provide further helpful context for the claimed invention these elements do not serve to confer subject matter eligibility to the invention since they merely represent a narrowing of the recited judicial exception. Step 2A prong 2 and Step 2B for these limitations therefore are the same as for the independent claims.

Accordingly, the claims recite an abstract idea.

Step 2A Prong 2 of the 101 Analysis:

This judicial exception is not integrated into a practical application. In particular, the independent claim(s) recite the following (or similar) additional elements:

- **Claims 1 and 6:**
  - "launching, by a mobile device processor of a consumer mobile device in response to an input command by a user, a wallet application;"

- "displaying, by the mobile device processor on a touch screen, a wallet application user interface comprising a plurality of options including a card management option concerning payment card credentials;"
- "…by the mobile device processor from the touch screen…"
- "displaying, by the mobile device processor on the touch screen, a device list comprising a plurality of icons, wherein each icon represents an IoT device provisioned via a companion application with the payment card credentials;"
- "…by the mobile device processor from the touch screen…"
- "displaying, by the mobile device processor on the touch screen, the selected icon, a payment card representation of the payment card provisioned to the IoT device, payment card information, and card management options comprising a suspend card option and a delete card option;"
- "…by the mobile device processor from the touch screen…"

- "…by the mobile device processor…to the IoT device…"

- **Claim(s) 6:**

  - "a consumer mobile device comprising a mobile device processor operably connected to a memory, an input component, a biometric sensor, and a touch screen;"

  - "a plurality of IoT devices operable for communications with the consumer mobile device;"

  - "wherein the memory of the consumer mobile device comprises instructions which when executed cause the mobile device processor to:"

The computer components or other machinery (IoT devices, a mobile device processor, a consumer mobile device, a touch screen, a memory, an input component, a biometric sensor, and a touch screen.) are recited at a high level of generality (i.e. as generic devices, a generic processor, a generic touch screen, a generic memory, a generic input component, and a generic biometric sensor) such that it amounts to no more than mere instructions to implement the judicial exception on a computer or by using a computer or other machinery merely as a tool to perform an existing process. These element(s) in

combination do not add anything that is not already pre-sent when the steps are considered separately. Simply implementing an abstract idea on a computer or using machinery as a tool to perform an existing process is not indicative of integration into a practical application (See MPEP § 2106.05(f).)

The displaying step(s) are recited at a high-level of generality (*i.e.*, as generally displaying) such that they amounts to no more than mere data gathering which is adding insignificant extra-solution activity. These element(s) in combination do not add anything that is not already pre-sent when the steps are considered separately. Simply adding insignificant extra-solution activity is not indicative of integration into a practical application (See MPEP § 2106.05(g).)

Dependent claim(s) 4-5 and 9-10 contain the following additional elements:

- **Claim(s) 4 and 9:**
  - "…by the mobile device processor …to one of a merchant device associated with the merchant identifier or a third party device associated with the third party identifier…"
- **Claim(s) 5 and 10:**

- "receiving, by the mobile device processor from the IoT device, a confirmation message indicating one of that the payment card credentials have been delete or have been suspended;"
- "displaying, by the mobile device processor on the touch screen, the confirmation message."

The receiving and displaying step(s) are recited at a high level of generality (*i.e.*, as simply receiving and simply displaying) such that they amount to no more than mere data gathering which is adding insignificant extra solution activity. These element(s) in combination do not add anything that is not already pre-sent when the steps are considered separately. Simply adding insignificant extra-solution activity is not indicative of integration into a practical application (See MPEP § 2106.05(g).)

Accordingly, these additional elements do not integrate the abstract idea into a practical application because they do not impose any meaningful limits on practicing the abstract idea. The claims are directed to an abstract idea.

Step 2B of the 101 Analysis:

The various devices, input component, touch screen, and biometric sensor mentioned above is/are not described in further detail within the applicant's specification. Therefore

examiner must interpret these elements as generic computer components.

The memory mentioned above is/are disclosed in applicant's specification (See page 19, lines 6-10 of the specification). The component is described as:

> "Moreover, as used herein and in the appended claims, the term "memory" should be understood to encompass a single memory or storage device or two or more memories or storage devices. Such a memory and/or storage device may include any and all types of non-transitory computer-readable media, with the sole exception being a transitory, propagating signal."

Therefore applicant's own specification supports these components as generic computer components.

The processor mentioned above is/are disclosed in applicant's specification as customized or specially designed (See page 16, lines 22-26 and page 17, lines 15-19 of the specification). It is important to note that a general purpose computer that applies a judicial exception, such as an abstract idea, by use of conventional computer functions does not qualify as a particular machine. If the applicant asserts that the claim recites significantly more because the generic computer is 'specially programmed' or is a 'particular machine' the examiner should look at whether the added elements provide significantly more than the judicial exception. See MPEP § 2106.05(b)(I).

The claims do not include additional elements that are sufficient to amount to significantly more than the judicial exception. As discussed above with respect to integration of the abstract idea into a practical application, the additional elements identified in Step 2A Prong 2 amount to no more than mere instructions to implement the judicial exception on a computer or no more than mere data gathering or data outputting which only adds insignificant extra solution activity to the judicial exception. These element(s) in combination do not add anything that is not already pre-sent when the steps are considered separately. Adding insignificant extra-solution activity cannot provide an inventive concept when the activities are well-understood routine and conventional. The courts have recognized the following computer functions as well-understood, routine, and conventional functions when they are claimed in a merely generic manner:

- (for displaying/receiving various data) Receiving or transmitting data over a network, (See MPEP § 2106.05(d)(II)).

The claims are not patent eligible.

Claim Rejections - 35 USC § 102

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

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

> A person shall be entitled to a patent unless –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale, or otherwise available to the public before the effective filing date of the claimed invention.
>
> (a)(2) the claimed invention was described in a patent issued under section 151, or in an application for patent published or deemed published under section 122(b), in which the patent or application, as the case may be, names another inventor and was effectively filed before the effective filing date of the claimed invention.

3. Claim(s) 1-10 is/are rejected under 35 U.S.C. 102(a)(1) as being clearly anticipated by Brockmann et al. (US 2017/0068952 A1 hereinafter Brockmann).

Claim 1

A method for managing payment card credentials provisioned to an Internet of Things (IoT) device via a companion application, comprising: (Brockmann discloses method for wallet management

among storage locations (i.e. IoT devices). See at least paragraph [0003].)

launching, by a mobile device processor of a consumer mobile device in response to an input command by a user, a wallet application; (Brockmann discloses initiated of presentation of an interface (i.e. application) for digital wallet management in response to user input (i.e. equivalent to launching of wallet application). See at least paragraph [0064].)

displaying, by the mobile device processor on a touch screen, a wallet application user interface comprising a plurality of options including a card management option concerning payment card credentials; (Brockman discloses user may use touch/swipe patterns (i.e. touchscreen). See at least paragraph [0083]. Brockmann discloses embodying interface on a user mobile device. See at least paragraph [0003]. Brockmann discloses visualization of elements for digital wallet management interface. See at least paragraph [0079].)

receiving, by the mobile device processor from the touch screen, selection by the user of the card management option; (Brockmann discloses user interface presenting options which user may select for management. See at least paragraph [00863].)

displaying, by the mobile device processor on the touch screen, a device list comprising a plurality of icons, wherein

each icon represents an IoT device provisioned via a companion application with the payment card credentials; (Brockmann discloses displaying device list with payment credentials, storage locations (i.e. IoT device) and icons associated with each credential that user may interact with. See at least paragraph [0120] and Fig. 9.)

receiving, by the mobile device processor from the touch screen, selection by the user of an icon associated with an IoT device; (Brockmann discloses displaying device list with payment credentials, storage locations (i.e. IoT device) and icons associated with each credential that user may interact with. See at least paragraphs [0080], [0120] and Fig. 9.)

displaying, by the mobile device processor on the touch screen, the selected icon, a payment card representation of the payment card provisioned to the IoT device, payment card information, and card management options comprising a suspend card option and a delete card option; (Brockmann discloses displaying device list with payment credentials, displays which represent payment cards, storage locations (i.e. IoT device) and icons associated with each credential that user may interact with including the ability to deactivate a card (i.e. suspend) and delete payment credentials. See at least paragraph [0120] and Fig. 9.)

receiving, by the mobile device processor from the touch screen, selection by the user of a card management option; and (Brockmann discloses displaying device list with payment credentials, displays which represent payment cards, storage locations (i.e. IoT device) and icons associated with each credential that user may interact with including the ability to deactivate a card (i.e. suspend) and delete payment credentials. See at least paragraph [0120] and Fig. 9.)

transmitting, by the mobile device processor based on the selection, instructions to the IoT device to one of delete the payment card credentials or suspend the payment card credentials. (Brockmann discloses displaying device list with payment credentials, displays which represent payment cards, storage locations (i.e. IoT device) and icons associated with each credential that user may interact with including the ability to deactivate a card (i.e. suspend) and delete payment credentials. See at least paragraph [0120] and Fig. 9. Brockmann discloses transmitting control signals reflecting user modification of a particular payment credential on an auxiliary device. See at least paragraph [0120].)

Claim 2

The method of claim 1, wherein the card management options further comprise an unsuspend card option. (Brockmann discloses interface may allow toggle to activate a provisioned card from deactivate (i.e. equivalent to unsuspend). See at least paragraph [0020].)

Claim 3

The method of claim 2, wherein receiving the selection by the user of a card management option comprises:

receiving, by the mobile device processor from the touch screen, selection of the unsuspend card option by the user; and (Brockmann discloses interface may allow toggle to activate a provisioned card from deactivate (i.e. equivalent to unsuspend). See at least paragraph [0020].)

transmitting, by the mobile device processor based on the selection, instructions to the IoT device to unsuspend the payment card credentials. (Brockmann discloses transmitting control signals reflecting user modification of a particular payment credential on an auxiliary device. See at least paragraph [0120].)

Claim 4

The method of claim 1, wherein displaying the device list further comprises:

displaying, by the mobile device processor on the touch screen, at least one of a list of merchant identifiers and a list of third party identifiers, wherein each merchant identifier and each third party identifier represents an entity provisioned via a companion application with the payment card credentials; (Brockmann discloses tokens may be sorted into different wallets based on financial institution and may display tokens in wallet based on a particular entity (i.e. merchants and third parties) with which user may interact to modify tokens. See at least paragraphs [0030] and [0075] and Fig. 5.)

receiving, by the mobile device processor from the touch screen, selection by the user of one of a merchant identifier or a third party identifier; (Brockmann discloses tokens may be sorted into different wallets based on financial institution and may display tokens in wallet based on a particular entity (i.e. merchants and third parties) with which user may interact to modify tokens. See at least paragraphs [0030] and [0075] and Fig. 5.)

displaying, by the mobile device processor on the touch screen based on the selection, one of the merchant identifier or the third party identifier, a payment card representation of the

payment card, payment card information, and card management options comprising a suspend card option and a delete card option; (Brockmann discloses digital wallet may be associated with merchants or third party institutions and stored on another service or institution. See at least paragraphs [0040] and [0051]. Brockmann discloses displaying device list with payment credentials, displays which represent payment cards, storage locations (i.e. IoT device) and icons associated with each credential that user may interact with including the ability to deactivate a card (i.e. suspend) and delete payment credentials. See at least paragraph [0120] and Fig. 9.)

receiving, by the mobile device processor from the touch screen, selection by the user of a card management option; and (Brockmann discloses displaying device list with payment credentials, displays which represent payment cards, storage locations (i.e. IoT device) and icons associated with each credential that user may interact with including the ability to deactivate a card (i.e. suspend) and delete payment credentials. See at least paragraph [0120] and Fig. 9.)

transmitting, by the mobile device processor based on the selection, instructions to one of a merchant device associated with the merchant identifier or a third party device associated with the third party identifier to one of delete or suspend the payment card credentials. (Brockmann discloses digital wallet

may be associated with merchants or third party institutions and stored on another service or institution. See at least paragraphs [0040] and [0051]. Brockmann discloses transmitting control signals reflecting user modification of a particular payment credential on an auxiliary device. See at least paragraph [0120].)

Claim 5

The method of claim 1 further comprising:

receiving, by the mobile device processor from the IoT device, a confirmation message indicating one of that the payment card credentials have been delete or have been suspended; and (Brockmann discloses user interface incorporating display of confirmation or output. See at least paragraph [0119]. Examiner notes this necessarily requires receiving the confirmation message.)

displaying, by the mobile device processor on the touch screen, the confirmation message. (Brockmann discloses user interface incorporating display of confirmation or output. See at least paragraph [0119].)

Claim 6

A system for managing payment card credentials provisioned to an Internet of Things (IoT) device via a companion application, comprising: (Brockmann discloses a system for wallet management interface (i.e. application) managing wallets among communicatively connected storage locations (i.e. IoT devices). See at least paragraph [0003].)

a consumer mobile device comprising a mobile device processor operably connected to a memory, an input component, a biometric sensor, and a touch screen; (Brockmann discloses user mobile device operably connected to a memory, input, biometric sensor, and touchscreen. See at least paragraphs [0003], [0039], [0081], [0083] and Fig. 1)

a plurality of IoT devices operable for communications with the consumer mobile device; (Brockmann discloses method for wallet management interface (i.e. application) on a user mobile device managing wallets among communicatively connected storage locations (i.e. IoT devices). See at least paragraph [0003].)

wherein the memory of the consumer mobile device comprises instructions which when executed cause the mobile device processor to: (Brockmann discloses wallet management interface (i.e. application) on a user mobile device with memory managing wallets among communicatively connected storage locations (i.e. IoT devices). See at least paragraph [0003].)

…

The remainder of Claim 6 is substantially similar to or broader than Claim 1 and is therefore rejected using similar reasoning.

Claim 7

Claim 7 is substantially similar to or broader than Claim 2 and is therefore rejected using similar reasoning.

Claim 8

Claim 8 is substantially similar to or broader than Claim 3 and is therefore rejected using similar reasoning.

Claim 9

Claim 9 is substantially similar to or broader than Claim 4 and is therefore rejected using similar reasoning.

Claim 10

Claim 10 is substantially similar to or broader than Claim 5 and is therefore rejected using similar reasoning.

Conclusion

1. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Rodriguez et al. (WO 2014/134180 A2) discloses various interfaces and embodiments for management of a digital wallet interface among multiple devices (i.e. IoT devices).
- Zhao et al. (“The concept of Secure Mobile Wallet”) discloses management of a secure mobile wallet.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ADAM J HILMANTEL whose telephone number is (571)272-8984. The examiner can normally be reached M-F 8:30AM-5:00PM.

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, Abhishek Vyas can be reached on (571) 270-1836. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center.

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/ADAM HILMANTEL/
Examiner, Art Unit 3691