PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DATE: **August 30, 2016**

UTILITY PATENT APPLICATION TRANSMITTAL LETTER AND FEE TRANSMITTAL FORM (37 CFR § 1.53(b)) FOR ELECTRONIC FILING

Attorney Docket No.: **9466-24TSCT**

Inventor(s): **Peter D. KARABINIS; Rajendra SINGH**

Applicant: **Telcom Ventures, LLC**

Entitled: **MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION**

Correspondence Address: **Customer No. 20792**

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

1. ☒ **23** pages of Specification
2. ☒ **3** sheets of Formal Drawings (35 USC 113)
3. ☒ Application Data Sheet. See 37 CFR 1.76
4. ☒ Oath or Declaration
   a. ☒ newly executed *(copy)*
   b. ☐ copy from prior application
5. ☒ Power of Attorney ☐ 37 CFR 3.73(c) Statement
6. ☐ Sequence Listing
   a. ☐ computer readable copy
   b. ☐ paper copy (___ pages)
   c. ☐ statement regarding sequence listing (___ page)
7. ☒ Information Disclosure Statement
8. ☐ Preliminary Amendment ***(Please enter all claim amendments prior to calculating the filing fee.)***
9. ☐ Non-publication Request under 35 U.S.C. 122(b)(2)(B)(i).
10. ☒ Other: **Remarks Accompanying Continuation Application**

11. ☐ Applicant claims small entity status. See 37 CFR § 1.27.

The fee has been calculated as shown below:

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Susan E. Freedman

Attorney Docket No. 9466-24TSCT PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Peter D. Karabinis et al.
Application No.: To Be Assigned
Filed: Concurrently Herewith
For: MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

August 30, 2016

Commissioner for Patents
Box 1450
Alexandria, VA 22313-1450

REMARKS ACCOMPANYING CONTINUATION APPLICATION

Sir:

The present continuation application is being filed for new Claims 1-8. Support for these claims may be found, for example, in FIG. 1, "Example/Application No. 2" at Pages 8-11 of the specification, in the Abstract and in original Claims 1, 26, 53 and 54 of the parent application.

In the present application, a new "Cross-Reference" section has been added, along with new Claims 1-8. The specification and drawings are otherwise identical to the parent application. A new Declaration is also being filed concurrently.

In view of the above, Applicant requests examination and allowance of the present application. If, in the opinion of the Examiner, a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned attorney at (919) 854-1400.

Respectfully submitted,

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Susan E. Freedman

MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

Cross-Reference to Related Application

[0001] The present application is a continuation of Application No. 12/264,711, filed November 4, 2008, entitled *"Mobile Device Mode Enablement Responsive to a Proximity Criterion"*, assigned to the assignee of the present invention, the disclosure of which is hereby incorporated herein by reference as if set forth fully herein.

Field of the Invention

[0002] This invention relates to systems, devices and/or methods that may be used to provide an adaptive enablement of one or more communications modes based upon having satisfied a proximity criterion. The one or more communications modes may be one or more wireless and/or non-wireless communications modes.

Background of the Invention

[0003] Adaptivity and mobility aspects of wireless communications are becoming more important in people's lives. People are relying more and more on mobile wireless devices to perform an ever-increasing suite of functions such as, for example, navigation, e-mail, web surfing, streaming video, etc. However, there is a rigidity aspect that is associated with wireless mobile devices in that a wireless mobile device is typically configured to be capable of performing a predetermined number of functions independent of its location, Time-of-Day (ToD), velocity, acceleration, temperature, sensing of a signal, etc. It would, for example, be desirable to have a mobile wireless device act as a "wallet" (over and above other functions) only when it is time to pay for an item and not act as a wallet when there is no need to do so.

[0004] The present invention, addresses these limitations (i.e., the rigidity) of current wireless mobile devices. Accordingly, embodiments of the present invention provide systems, devices and/or methods that may be used to enable adaptively one or

more modes/functions of a device based upon having satisfied by the device (or another device) a proximity condition/criterion.

[0005] As used herein, the term "end-user device," "wireless mobile device," "mobile wireless device" or simply "device" includes any electronic device that may be used to transmit/receive information wirelessly and/or non-wirelessly such as, for example, a Digital Subscriber Line (DSL) modem/transceiver; a cable modem/transceiver; a cellular and/or satellite radiotelephone with or without a multi-line display; Personal Communications System (PCS) terminals that may combine a radiotelephone with data processing, facsimile and/or data communications capabilities; Personal Digital Assistants (PDA) that can include a radio frequency transceiver and/or a pager, Internet/Intranet access, Web browser, organizer, calendar and/or a global positioning system (GPS) receiver; laptop and/or palmtop computers or other appliances, which may (or may not) include a radio frequency transceiver.

[0006] An end-user device also may be referred to herein as a radiotelephone, radioterminal, mobile terminal, user device, wireless device, device and/or terminal; etc. As used herein, the term end-user device and/or any of its synonyms also include(s) any other radiating device/equipment/source that may have time-varying or fixed geographic coordinates and/or may be portable, transportable, installed in a vehicle (aeronautical, maritime, or land-based) and/or situated and/or configured to operate locally and/or in a distributed fashion over one or more terrestrial and/or extra-terrestrial location(s).

Brief Description of the Drawings

[0007] FIG. 1 depicts a communication system that detects a proximity criterion in accordance with the claimed embodiments;

[0008] FIG. 2 depicts another communication system that detects a proximity criterion in accordance with the claimed embodiments;

[0009] FIG. 3 is a flow chart illustrating a method of detecting proximity criterion and enabling functions or modes on devices in accordance with the claimed embodiments.

Detailed Description

[00010] The present invention now will be described more fully hereinafter with reference to specific embodiments and/or the accompanying drawing(s), in which embodiments of the invention are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the embodiments set forth herein. Rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art.

[00011] It will be understood that when an element is referred to as being "connected," "coupled" and/or "responsive" to another element, it can be directly connected, coupled and/or responsive to the other element or intervening elements may be present. Furthermore, "connected," "coupled" and/or "responsive" as used herein may include wirelessly connected, coupled and/or responsive. The terminology used herein is for the purpose of describing particular embodiments only and is not intended to be limiting of the invention. As used herein, the singular forms "a," "an" and/or "the" are intended to include the plural forms as well, unless expressly stated otherwise. It will be further understood that the terms "includes," "comprises," "including" and/or "comprising," when used in this specification, specify the presence of stated features, integers, steps, operations, elements, and/or components, but do not preclude the presence and/or addition of one or more other features, integers, steps, operations, elements, components, and/or groups thereof.

[00012] Unless otherwise defined, all terms (including technical and scientific terms) used herein have the same meaning as commonly understood by one of ordinary skill in the art to which this invention belongs. It will be further understood that terms, such as those defined in commonly used dictionaries, should be interpreted as having a meaning that is consistent with their meaning in the context of the relevant art and the present disclosure, and will not be interpreted in an idealized or overly formal sense unless expressly so defined herein.

[00013] Furthermore, it will be understood that although terms such as, for example, first and second may be used herein to describe various elements, these elements should not be limited by these terms. These terms are only used to

distinguish one element from another element. Thus, a first element below could be termed a second element, and similarly, a second element may be termed a first element without departing from the teachings of the present invention. As used herein, the term "and/or" includes any and all combinations of one or more of the associated listed items. The symbol "/" is also used as a shorthand notation for "and/or."

[00014] A mobile device such as, for example, a wireless communications device (e.g., a wireless terminal, a wireless/mobile phone, a Personal Digital Assistant (PDA), a smart phone, a multi-media device including Global Positioning System (GPS) capability, etc.) and/or one or more systems that is/are providing service to the mobile device and/or to a device other than the mobile device, may be configured to enable one or more modes/functions of the mobile device and/or of the device other than the mobile device, responsive to a proximity criterion having been satisfied.

[00015] In some embodiments, determining whether the proximity criterion is satisfied comprises determining by the mobile device and/or by the one or more systems of a location associated with the mobile device. In other embodiments, determining whether the proximity criterion is satisfied comprises determining by the device other than the mobile device and/or by the one or more systems of a location that is associated with the device other than the mobile device. The determining by the mobile device, by the device other than the mobile device and/or by the one or more systems may, in some embodiments, comprise reception and/or processing of GPS signals in order to determine a Time-of-Day (ToD), Time-of-Month (ToM), Time-of-Year (ToY), velocity, acceleration and/or position (in three-dimensional space). In other embodiments, the determining may be based upon the mobile device and/or the device other than the mobile device detecting a signal that is being radiated by a device that is attached to and/or is installed in/on an entity (i.e., a device that is associated with the entity). In still further embodiments, the device other than the mobile device may send a message to the mobile device requesting enablement of one or more modes/functions of the mobile device and/or of the device other than the mobile device and, responsive to an affirmative response by the mobile device, the mobile device and/or the device other than the mobile device may enable the one or

more modes/functions of the mobile device and/or of the device other than the mobile device.

[00016] The entity may, for example, be a person, an animal, a vehicle (ground-based, maritime and/or aeronautical), a building (residential, commercial and/or office), a product that is for sale, a store that sells one or more products, a check-out counter in a store, a shopping cart that may be used by a customer to carry one or more products selected by the customer for purchase, one or more locations in time and/or space, a geographic area and/or a multi-dimensional region in time and/or space.

[00017] The signal that is being radiated by the device that is attached to and/or is installed in the entity may include an element that may be *a priori* known by the mobile device and/or by the device other than the mobile device. As such, according to some embodiments, the mobile device and/or the device other than the mobile device may, when proximate to the entity, receive the signal that is being radiated by the device that is attached to and/or is installed in the entity, detect the element that may be *a priori* known by the mobile device and/or by the device other than the mobile device and thus determine that the mobile device and/or the device other than the mobile device is proximate to the entity.

[00018] It will be understood that the signal that is being radiated by the device that is attached to and/or is installed in the entity may be radiated at a relatively low power level so that it may be detected by the mobile device and/or by the device other than the mobile device only over a relatively small distance between, for example, the mobile device and the device that is attached to and/or is installed in the entity (e.g., over a distance that is, for example, less than 100 meters, in some embodiments or less than 10 meters, in other embodiments). It will also be understood that the element that may be *a priori* known by the mobile device and/or by the device other than the mobile device may comprise an identity associated with the entity. In some embodiments, the identity may comprise a number, a word/name, a location, a Time-of-Day (ToD), a unique code, a region of space and/or time, etc.

[00019] According to some embodiments, the mobile device and/or the device other than the mobile device may be configured so that a user of the mobile device

and/or a user of the device other than the mobile device, a service provider providing service to the mobile device and/or providing service to the device other than the mobile device and/or a manufacturer of the mobile device and/or the device other than the mobile device may program the mobile device and/or the device other than the mobile device to recognize the element and/or the identity associated with the entity.

[00020] A number of examples/applications of the concepts disclosed above will now be described to further illustrate the scope and spirit of the present invention to those skilled in the art.

[00021] **Example/Application No. 1:** A motor vehicle, such as, for example, a car, may be configured with a low-power radiator that radiates a signal that includes an identity of the motor vehicle, a velocity of the motor vehicle, an acceleration of the motor vehicle, a position of the motor vehicle, a Time-of-Day (ToD), a Time-of-Month (ToM), a Time-of-Year (ToY) and/or an indication of a content of the motor vehicle. Now imagine a person who is associated with the motor vehicle (e.g., an owner/driver of the motor vehicle) is approaching the motor vehicle. Let us assume that the person who is approaching the motor vehicle and is associated with the motor vehicle carries a wireless communications device. The wireless communications device may be configured to sense the signal that is being radiated by the low-power radiator, detect the identity of the motor vehicle and compare the detected identity with one or more *a priori* identities that are stored in the wireless communications device. If a match is found, the communications device may be configured to selectively enable, responsive to the match, for example, a "pay toll" function. Accordingly, as the motor vehicle approaches an access point that is configured to radiate a signal associated with toll collection, the communications device, responsive to having detected the signal associated with toll collection, may be configured to transmit information that may be used by the access point and/or by an associated toll collection system that may be connected to the access point to debit an account that is associated with a user and/or owner of the communications device. In further embodiments of the present invention, if the match is found, the communications device may be configured to selectively enable, responsive to the match and

responsive to a velocity of the motor vehicle, an acceleration of the motor vehicle, a position of the motor vehicle, a Time-of-Day (ToD), a Time-of-Month (ToM), a Time-of-Year (ToY) and/or a content of the motor vehicle, for example, the "pay toll" function. It will be understood that the velocity of the motor vehicle, the acceleration of the motor vehicle, the position of the motor vehicle, the ToD, the ToM and/or the ToY may be provided by the communications device (based on GPS signal processing, and/or based on any other means, that may be performed/implemented by the communications device and/or by a network that may be providing service to the communications device) and/or by the motor vehicle.

[00022] The wireless communications device may be configured to keep the pay toll function enabled for as long as the wireless communications device is able to sense the signal that is being radiated by the low-power radiator (i.e., the signal that includes an identity of the motor vehicle) and to selectively disable the pay toll function a short time after the wireless communications device is no longer able to sense the signal that is being radiated by the low-power radiator. In further embodiments, the wireless communications device may be configured to keep the pay toll function enabled as long as the wireless communications device is able to sense the signal that is being radiated by the low-power radiator and a specific value (or values) associated with at least one of a velocity of the motor vehicle, an acceleration of the motor vehicle, a position of the motor vehicle, a ToD, a ToM, a ToY and a content of the motor vehicle is/are being met/satisfied.

[00023] In accordance with some embodiments, even though the wireless communications device does not find a match but is able to sense the signal that is being radiated by the low-power radiator, the wireless communications device may be configured to provide a notification (e.g., a sound, a vibration, a light and/or an alpha-numeric display, etc.). Responsive to the notification, a user of the wireless communications device may instruct (for example, manually or via voice command) the wireless communications device to enable the pay toll function.

[00024] In further embodiments, a second wireless communications device that belongs to and/or is being used by a second person, senses a signal and, responsive to having sensed the signal (whether a match is found or not) sends a request selectively

to a first wireless communications device. Responsive to the request, the first wireless communications device sends an acknowledgement and/or an authorization to the second wireless communications device. Responsive to the acknowledgement and/or authorization the second wireless communications device selectively enables a mode which, according to some embodiments, is the pay toll function. It will be understood that the first and second wireless communications devices may, according to some embodiments, be predetermined to function as described above. That is, the first wireless communications device acting as a "master" and the second wireless communications device acting as a "slave" in that the second wireless communications device is configured to enable a mode/function thereof responsive to a detection/match and responsive to receiving an authorization from the first wireless communications device. If the mode/function comprises paying for a transaction, an amount of money associated with the paying may be deducted/withdrawn from an account associated with an owner/user of the first wireless communications device.

[00025] Thus, according to some embodiments, the first wireless communications device functions independently and/or autonomously whereas the second wireless communications device functions dependently on the first wireless communications device, at least as far as at least one of its modes/functions is concerned. The master-slave relationship between the first and second wireless communications devices may, according to some embodiments, be predetermined. In other embodiments, the master-slave relationship may not be predetermined and may be negotiated and/or established, as a need for such a relationship arises, by exchanging information between the first and second wireless communications devices. It will be understood that, in some embodiments, at least one of the first and second wireless communications devices may not be a wireless communications device.

[00026] **Example/Application No. 2:** A wireless communications device may be configured to estimate a location associated therewith and may also be configured to estimate a value of at least one other parameter that may be associated with the wireless communications device, an environment thereof and/or an entity (living or otherwise) that is associated with and/or is proximate to the wireless communications device. The "at least one other parameter" may, for example, be a velocity,

acceleration, ToD, ToM, ToY, humidity, temperature, height, level of brightness, level of darkness, a blood pressure, a heart rate, a blood content, a physiological state, a psychological state, etc. As those skilled in the art will appreciate, the wireless communications device may be configured to estimate its location and the value of the "at least one other parameter" by, for example, processing GPS signals and/or by using other means and/or sensors that may, according to some embodiments, be device-based and/or network assisted/based means and/or sensors.

[00027] According to some embodiments, the wireless communications device may be configured to make a comparison between an estimate of its location and one or more other locations, that may be one or more other predetermined and/or pre-stored locations, and the wireless communications device may be configured to selectively enable a first communications mode/function responsive to an outcome of the comparison and/or to selectively disable a second communications mode/function responsive to the outcome of the comparison. In other embodiments, the wireless communications device may be configured to selectively enable the first communications mode/function responsive to the outcome of the comparison and/or responsive to a value of another parameter, such as, for example, a value associated with the "at least one other parameter" list and/or selectively disable the second communications mode/function responsive to the outcome of the comparison and/or responsive to a value of another parameter, such as, for example, a value associated with the "at least one other parameter" list.

[00028] For example, in some embodiments, if a comparison between an estimate of location of the wireless communications device and the one or more locations that are predetermined and/or pre-stored reveals a distance therebetween that is less than or equal to a threshold, the wireless communications device may be configured to selectively and/or preferentially enable a first communications mode, that may be one communications mode of a plurality of communications modes, that uses, for example, a first air interface protocol and a first set of frequencies to communicate information wirelessly (wherein the first set of frequencies may be a predetermined first set of frequencies), while refraining from using (and/or using only infrequently and/or as a last resort depending on an emergency, need and/or a priority) a second

communications mode, of the plurality of communications modes, comprising a second set of frequencies and/or a second air interface protocol. In some embodiments, refraining from using (and/or using only infrequently and/or as a last resort depending on an emergency, need and/or a priority) a second communications mode comprises selectively and/or preferentially disabling the second communications mode that uses, for example, the second air interface protocol and/or the second set of frequencies. It will be understood that, according to some embodiments, the first and/or second air interface protocols may be predetermined and that the first and/or second set of frequencies may also be predetermined. In further embodiments, at least one of the first air interface protocol, the second air interface protocol, the first set of frequencies and the second set of frequencies may not be predetermined and may be determined as required responsive to receiving a message, sensing/detecting at least a portion of an electro-magnet spectrum and/or via other means such as, for example, a user choice/preference/command.

[00029] In some embodiments, the first communications mode may comprise an air interface protocol, such as, for example, an Orthogonal Frequency Division Multiplexed and/or an Orthogonal Frequency Division Multiple Access (OFDM/OFDMA) protocol, a WiFi- and/or WiMAX-based air interface protocol that may be based upon Time Division Duplex (TDD) operation wherein a common set of frequencies are used bi-directionally (at different times) to provide uplink and downlink communications, and the first and/or second set of frequencies may comprise, for example, an un-licensed use and/or a licensed use set of frequencies.

[00030] In further embodiments, the wireless communications device may further be configured to selectively enable (or to prefer) a first communications mode and/or to selectively refrain from using (or avoid from using unless a level of priority and/or other reason is provided) a second communications mode, responsive to the comparison of position that was discussed earlier and/or responsive to a value of a quantity/parameter, such as, for example, a value associated with the "at least one other parameter" and/or responsive to an event (man-caused or natural). The first communications mode may comprise a first air interface protocol and a first set of frequencies for transmission/reception of information and the second communications

mode may comprise a second air interface protocol, that may be different from the first air interface protocol, and/or a second set of frequencies for transmission and/or reception of information that may be different (or at least partially different) from the first set of frequencies.

[00031] The wireless communications device may be configured to repeatedly make a decision based on the comparison of position that was discussed earlier, based on the value of a quantity/parameter, such as, for example, a value associated with the "at least one other parameter" and/or based on the event (man-caused and/or natural), to maintain the first communications mode enabled and/or to maintain the second communications mode disabled for as long as the comparison of position, the value of the quantity/parameter and/or the event (man-caused and/or natural) continues to satisfy a threshold criterion and to disable the first communications mode and/or enable the second communications mode after the wireless communications device determines that the comparison of position, the value of the quantity/parameter and/or the event no longer satisfies the threshold criterion.

[00032] In further embodiments, responsive to the comparison of position, the value of the quantity/parameter and/or the event satisfying the threshold criterion, the wireless communications device may be configured to send information (automatically or upon user command) selectively to one or more other devices that, according to some embodiments, may be predetermined other devices. In still other embodiments, responsive to the comparison of position, the value of the quantity/parameter and/or the event satisfying the threshold criterion, the wireless communications device may be configured to receive information (automatically or upon user command) selectively from one or more other devices that, according to some embodiments, may be predetermined other devices.

[00033] **Example/Application No. 3:** A shopping cart, for example, of the type used in a grocery and/or super-market store, may be configured to sense/detect one or more items that are placed in the shopping cart. As used herein, the term "configured to sense/detect" may, in some embodiments, comprise sensing/detecting, for example, a weight, a manufacturer, an expiration date, a price and/or a nutritional value, etc. associated with the one or more items, wherein the sensing/detecting may be

performed based upon any technology, such as, for example, a Radio Frequency (RF) tagging technology, a bar-code technology, an image recognition technology and/or any other technology.

[00034] Each shopping cart may include an identity (e.g., a number). Mr. Jones (a customer), who chooses a shopping cart having as identity a number such as, for example, "8787," may insert the number 8787 into a wireless communications device that Mr. Jones is carrying/using. Upon inserting the number 8787 into the wireless communications device, the wireless communications device may be configured to selectively establish a communications link, that may, in some embodiments, be a short-range communications link, with the shopping cart having identity 8787. From that time on, as the shopping cart senses/detects the one or more items that are placed in the shopping cart, information associated with the sensing/detecting of the one or more items, including price information associated with the one or more items, is transferred to Mr. Jones' wireless communications device via the communications link that is selectively established between Mr. Jones' wireless communications device and shopping cart 8787.

[00035] In the event that Mr. Jones decides to put back on a shelf an item that has been placed in shopping cart 8787, that item is sensed/detected by the shopping cart as having been withdrawn/deleted from the shopping cart and at least some information associated therewith is withdrawn/deleted, or at least changed, from Mr. Jones' wireless communications device via one or more commands/messages sent to the wireless communications device by the shopping cart, via the communications link.

[00036] When Mr. Jones has finished shopping, Mr. Jones can examine the wireless communications device and may instruct the wireless communications device to perform a transaction, such as, for example, to pay for the one or more items that Mr. Jones has placed in shopping cart 8787. In some embodiments, the shopping cart including the one or more items and the wireless communications device may need to be proximate to a specific location within the grocery and/or super market store (e.g., proximate to a "check-out" counter/location) before the wireless communications device and/or shopping cart (individually and/or jointly in

communication therebetween) may enable a "pay" function by detecting a (short-range) signal that may be transmitted by/from the specific location.

[00037] **Other Embodiments:** Figures 1 and 2 illustrate further embodiments of the present invention. Additional embodiments may comprise systems and/or methods. For example, in one embodiment as illustrated in FIG. 1, a method in a system 10 is provided comprising: detecting that a proximity criterion is satisfied between a first device 14, such as a mobile subscriber device, and Entity 1; and enabling a mode of the first device and/or a mode of a second device 15 responsive to the detecting; where, according to some embodiments, the second device 15 is not the Entity 1 and is not associated with the Entity 1 and wherein the Entity 1 is not involved in providing a communications service to the first and/or second device. In one particular embodiment, a mobile subscriber device 14 linked to a communications system 18 via base station 12 can enable a function when the device 14 comes within a proximity of Entity 1. The function enabled can be any number of functions at the mobile subscriber device 14 or even at the mobile subscriber device 15. The mobile subscriber device 15 can also be linked to the communications system 18 via a base station 13. The function enabled can be a financial transaction, the transmission of communications, such as data, and/or some other function that may provision the mobile subscriber device 14 and/or the mobile subscriber device 15 with additional functionality not previously available/activated at the respective devices.

[00038] In one embodiment, the detection by mobile subscriber device 14 of a proximity criterion relative to Entity 1 can enable the mobile subscriber device 14 to authorize and complete a financial transaction such as the payment of a toll and/or of an item at a check out line. The same detection by mobile subscriber device 14 of the proximity criterion relative to Entity 1 can also or alternatively enable the mobile subscriber device 15 to authorize and complete a financial transaction such as the payment of a toll and/or a payment for an item at a check out line. The enablement of the mobile subscriber device 15 may also be contingent on the mobile subscriber device 15 having satisfied a proximity criterion relative to a second entity, such as Entity 2. Thus, the proximity criterion can include various requirements depending

on the particular application. The requirements may include at least one of having the device 14 being within a predetermined distance of Entity 1, the device 14 receiving a predetermined signal strength from Entity 1, being at such predetermined distance for a predetermined time interval and receiving a predetermined signal strength during the predetermined time interval. The requirements can also include having device 15 being within a predetermined distance and/or predetermined signal strength of Entity 2, and/or being within such predetermined distance and/or signal strength during a predetermined time interval. It will be understood that at least one of devices 16 and 17, shown in FIG. 1 as being attached to Entity 1 and Entity 2, respectively, may, according to some embodiments, comprise a wireless transmitter and/or receiver.

[00039] According to some embodiments, the detecting may be performed by the first device (i.e., radioterminal 14), by the second device (i.e., radioterminal 15), by a device that is associated with an entity (i.e., device 16 and/or device 17) and/or by a system that is associated with the first and/or second devices (i.e., system 18, base station 12 and/or base station 13). Also, in some embodiments, the enabling may be performed by the first device, by the second device, by a device that is associated with the entity and/or by a system that is associated with the first and/or second devices.

[00040] In some embodiments, the first device comprises a wireless communications device, the second device comprises a wireless communications device and/or the system that is associated with the first and/or second devices comprises a wireless communications system that is configured to provide a communications service to the first and/or second devices.

[00041] In further embodiments, detecting comprises: using position information associated with the first device; using position information associated with the second device; detecting a signal (and/or a signal strength measurement such as RSSI) that is being radiated by the first device; detecting a signal (and/or a signal strength) that is being radiated by the second device; and/or detecting a signal (and/or a signal strength) that is being radiated by a device that is associated with the entity, wherein using position information may, according to some embodiments, comprise: evaluating a distance between the position information and one or more position

values; and determining whether the distance is less than or equal to a threshold. In some embodiments, the one or more position values is/are predetermined.

[00042] In further embodiments, responsive to the enabling, the method comprises performing a function; wherein the function, according to some embodiments, comprises a financial transaction, receiving data and/or transmitting data. In some embodiments, receiving data comprises receiving data selectively from a first unit and wherein transmitting data comprises transmitting data selectively to a second unit. In some embodiments, the first and second units are the same unit, whereas in other embodiments the first and second units are different units. In further embodiments, the first and/or second units may be predetermined units and the first unit may comprise a wireless communications device and/or the second unit may comprise a wireless communications device. In yet further embodiments, the first unit may be associated with an Internet Protocol (IP) address and/or the second unit may be associated with an IP address.

[00043] Referring to FIG. 2, the first device 14 can traverse a path 23 within an overall coverage area 20 and the second device 15 can traverse a path 25 within the overall coverage area 20. The overall coverage area 20 can include areas 22 and 24 that can be associated with respective entities. The entry of the first device 14 within area 22 can selectively enable a mode and/or a function at device 14 and can optionally enable a mode and/or a function at device 15 based, according to some embodiments, on a proximity criterion to area 24. For example, if device 14 owned and/or operated by a user is at a first store within area 22 and the device 15 owned/operated by, for example, the user's spouse is at a second store within area 24, then the user's spouse at device 15 can complete a purchase within area 24 based on the user's presence with device 14 within area 22. Similarly, if the two users at devices 14 and 15 at respective areas 22 and 24 want to sample music, games and/or even play a game between each other, their respective device can be provisioned for such sampling as long as they stay within the proximity criteria set for each of the respective devices. Once one or the other device goes beyond the respective proximity criterion, the mode and/or function enabling the sampling will be disabled at one or both devices.

[00044] In some embodiments according to the present invention, receiving data comprises receiving a position, a request and/or an acknowledgement and wherein transmitting data comprises transmitting a position, an authorization and/or an acknowledgement.

[00045] In further embodiments according to the present invention, the financial transaction comprises providing payment associated with a toll and/or providing payment associated with a purchase of one or more items.

[00046] In accordance with additional embodiments of the present invention, receiving data comprises receiving data once or repeatedly and transmitting data comprises transmitting data once or repeatedly.

[00047] It will be understood that relative to any one of the plurality of methods described above, the term "entity" may comprise a person, an animal, a building, a motor vehicle, a shopping cart, a product, a check-out counter, a geographic position, a geographic area and/or one or more locations in time and/or space.

[00048] In a further embodiment according to the present invention, a system is provided comprising: a detector that is configured to enable a mode of a first device and/or to enable a mode of a second device responsive to a detection that a proximity criterion is satisfied between the first device and an entity; wherein, according to some embodiments, the second device is not the entity and is not associated with the entity, and wherein, according to further embodiments, the entity is not involved in providing a communications service to the first and/or second device. In some embodiments, the detector is included in, and the detection is performed by, the first device, the second device, a device that is associated with the entity and/or a system that is associated with the first and/or second devices. Similarly, according to some embodiments, the detector is included in, and the mode is enabled by, the first device, the second device, a device that is associated with the entity and/or a system that is associated with the first and/or second devices.

[00049] Referring to FIG. 3, a flow chart illustrating a method 30 in accordance with an embodiment herein includes detecting that a proximity criterion is satisfied between a first device and an entity at 32. Note, that although the steps described are in a certain order in this embodiment, embodiments contemplated within the scope of

the claims are not necessarily limited to a particular order or necessarily include every step described in method 30 and may further include additional steps as may be obvious to one of ordinarily skilled in the art. Method 30 can further include enabling a mode of the first device and/or a mode of a second device responsive to detecting satisfaction of the proximity criterion and while the proximity criterion is satisfied at 34, where the first device and the second device form a part of a communication system providing communications service to the first device and the second device. The second device can be independent of the entity and the entity can be independent of the communications service provided to the first and second device at shown at 36. The method at 38 can enable a mode of the first device and a mode of the second device responsive to detecting that the proximity criterion is satisfied between the first device and the entity. The first device and the second device can be mobile subscriber devices (i.e., radioterminals) and the entity can be a proximity beacon enabling a financial transaction between the first device or the second device and a vendor in communication with the first device or the second device at an access point maintained by the vendor or on behalf of the vendor. The access point can be a toll both, a point of purchase counter, or a check out counter and the first device and the second device can be cellular phones authorized selectively by its user and by satisfying the proximity criterion to proceed with a financial transaction associated with the vendor at the access point. As previously noted, although cellular phones are described, other communication devices are certainly within contemplation of the scope of the claims. The step of detecting can be done in any number of various ways. Detecting can include using position information associated with the first device relative to the entity or using position information of the second device relative to the entity or detecting a signal being radiated by the entity or detecting a signal being radiating by the first device and reflected by the entity or detecting a signal being radiating by the second device and reflected by the entity. In this regard, the method 30 can further evaluate a distance between the position information and one or more position values and determine whether the distance is less than or equal to a threshold at 39.

[00050] In some embodiments, the first device comprises a wireless communications device and/or the second device comprises a wireless communications device and the system that is associated with the first and/or second devices comprises a wireless communications system.

[00051] In further embodiments, the detection comprises: use of position information associated with the first device; use of position information associated with the second device; a detection of a signal that is being radiated by the first device; a detection of a signal that is being radiated by the second device; and/or a detection of a signal that is being radiated by a device that is associated with the entity. In some embodiments, use of position information comprises: an evaluation of a distance between the position information and one or more position values; and a determination of whether the distance is less than or equal to a threshold. It will be understood, that according to some embodiments of the invention, the one or more position values may be predetermined position values.

[00052] In yet additional embodiments of the present invention, the first device and/or the second device may be configured to perform a function responsive to the mode having been enabled by the detector, wherein, according to some embodiments, the function may comprise a financial transaction, reception of data and/or transmission of data. In some embodiments, reception of data comprises reception of data selectively from a first unit and transmission of data comprises transmission of data selectively to a second unit. In accordance with some embodiments, the first and second units are the same unit and in accordance with other embodiments, the first and second units are different units. It will be understood that in some embodiments the first and/or second units may be first and second predetermined units.

[00053] In yet further embodiments of the invention, the first unit may comprise a wireless communications device and/or the second unit may comprise a wireless communications device. According to additional embodiments, the first unit is associated with an Internet Protocol (IP) address and/or the second unit is associated with an IP address.

[00054] In some embodiments of the present invention, receiving data comprises receiving a position, a request and/or an acknowledgement and wherein transmitting

data comprises transmitting a position, an authorization and/or an acknowledgement. According to other embodiments, the financial transaction comprises a payment of a toll and/or a payment associated with a purchase of one or more items. It will be understood that, in some embodiments, the reception of data comprises reception of data once or repeatedly and that, according to some embodiments, the transmission of data comprises transmission of data once or repeatedly. It will also be understood that according with any one of the embodiments described above (or any combination thereof) the term "entity," as used therein may comprise a person, an animal, a building, a motor vehicle, a shopping cart, a product that is on sale, a check-out counter, a geographic position, a geographic area and/or one or more locations in time and/or space.

[00055] In some embodiments according to the present invention, a system may comprise the detector, the first device, the second device, the entity, the device that is associated with the entity and/or the system that is associated with the first and/or second devices.

[00056] In the specification, there have been disclosed embodiments and, although specific terms are employed, they are used in a generic and descriptive sense only and not for purposes of limitation. The following claims are provided to set forth, at least in part, the scope of the present invention.

Claims:

1. A method of operating a smartphone using a first air interface and a second air interface that differs from the first air interface, the method comprising:

communicating between the smartphone and an entity using the first air interface responsive to a proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over a short-range link between the smartphone and the entity;

refraining from communicating between the smartphone and the entity by the smartphone using the first air interface absent the proximity criterion having been satisfied between the smartphone and the entity; and

communicating between the smartphone and a base station using the second air interface to receive a communications service from the base station via the second air interface, wherein the smartphone receives the communications service from the base station via the second air interface but does not receive the communications service from the entity via the first air interface,

wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over the short-range link between the smartphone and the entity is performed concurrently with the communicating between the smartphone and the base station using the second air interface to receive a communications service from the base station via the second air interface.

2. The method according to Claim 1, further comprising detecting that the proximity criterion between the smartphone and the entity is satisfied.

3. The method according to Claim 2, wherein the detecting comprises:

detecting that a proximity criterion of less than 10 meters in distance is satisfied between the smartphone and the entity,

wherein the detecting is performed by the smartphone, by a device that is associated with the entity and/or by a system that is associated with the smartphone.

4. The method according to Claim 1, further comprising:

selectively sending the information by the smartphone to another device and receiving other information by the smartphone from the other device responsive to the proximity criterion having been satisfied between the smartphone and the entity.

5. A smartphone comprising:

a processor that is configured to control the smartphone to perform operations comprising:

communicating between the smartphone and an entity using a first air interface responsive to a proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over a short-range link between the smartphone and the entity;

refraining from communicating between the smartphone and the entity by the smartphone using the first air interface absent the proximity criterion having been satisfied between the smartphone and the entity; and

communicating between the smartphone and a base station using a second air interface to receive a communications service from the base station via the second air interface, wherein the smartphone receives the communications service from the base station via the second air interface but does not receive the communications service from the entity via the first air interface,

wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over the short-range link between the smartphone and the entity is performed concurrently with the communicating between the smartphone and the base station using the second air interface to receive a communications service from the base station via the second air interface.

6. The smartphone according to Claim 5, wherein the operations further comprise detecting that the proximity criterion between the smartphone and the entity is satisfied.

7. The smartphone according to Claim 6, wherein the detecting comprises:

detecting that a proximity criterion of less than 10 meters in distance is satisfied between the smartphone and the entity,

wherein the detecting is performed by the smartphone, by a device that is associated with the entity and/or by a system that is associated with the smartphone.

8. The smartphone according to Claim 5, wherein the operations further comprise:

selectively sending the information by the smartphone to another device and receiving other information by the smartphone from the other device responsive to the proximity criterion having been satisfied between the smartphone and the entity.

ABSTRACT

A system (10) and method (30) comprises a detector that is configured to enable a mode of a first device (14) and/or to enable a mode of a second device (15) responsive to a detection that a proximity criterion is satisfied between the first device and an entity (Entity 1) and responsive to at least one of a position, velocity and a Time-of-Day and where the second device is not the entity and is not associated with the entity, and where the entity is not involved in providing a communications service to the first and/or second device.

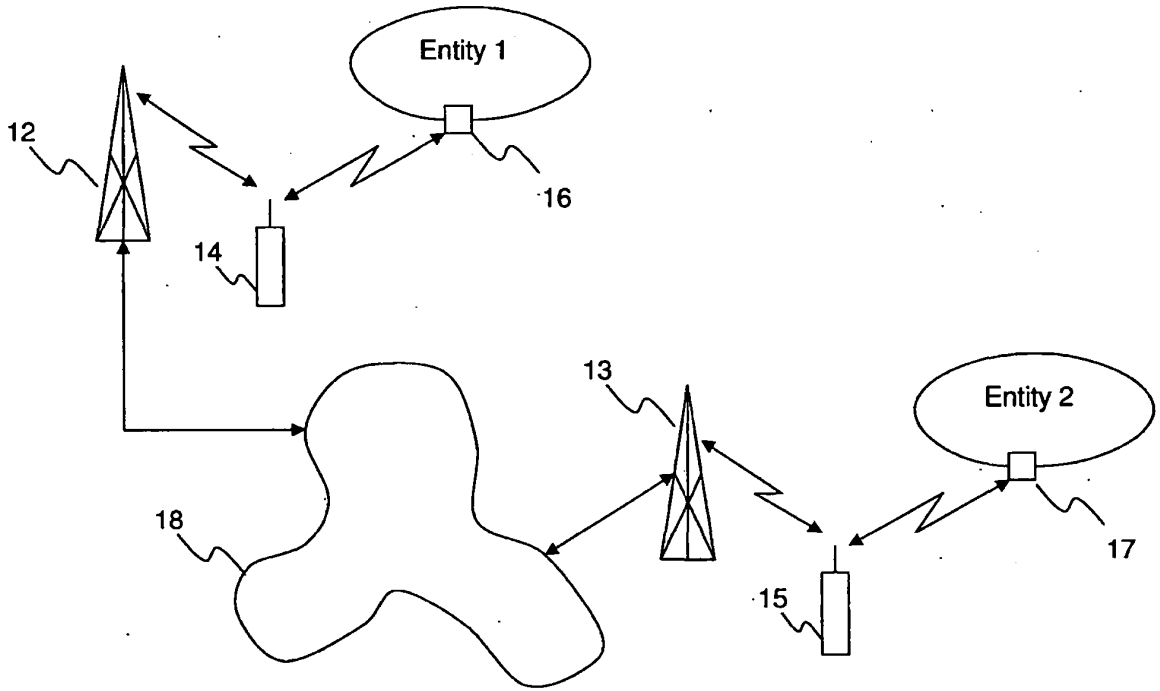

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FIG. 1

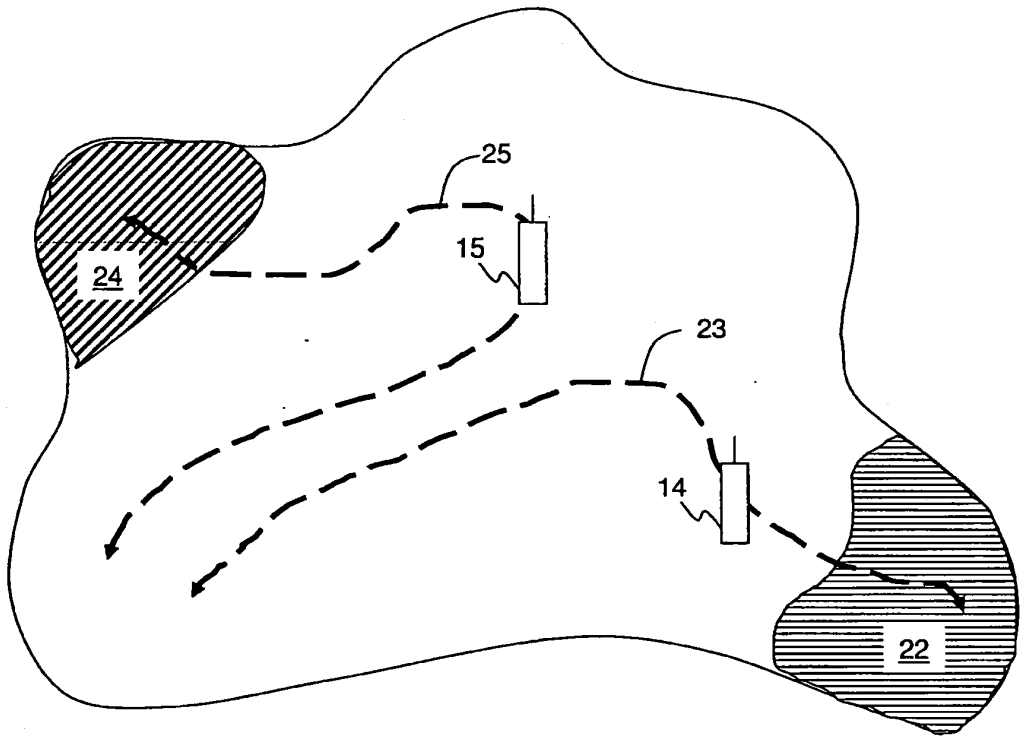

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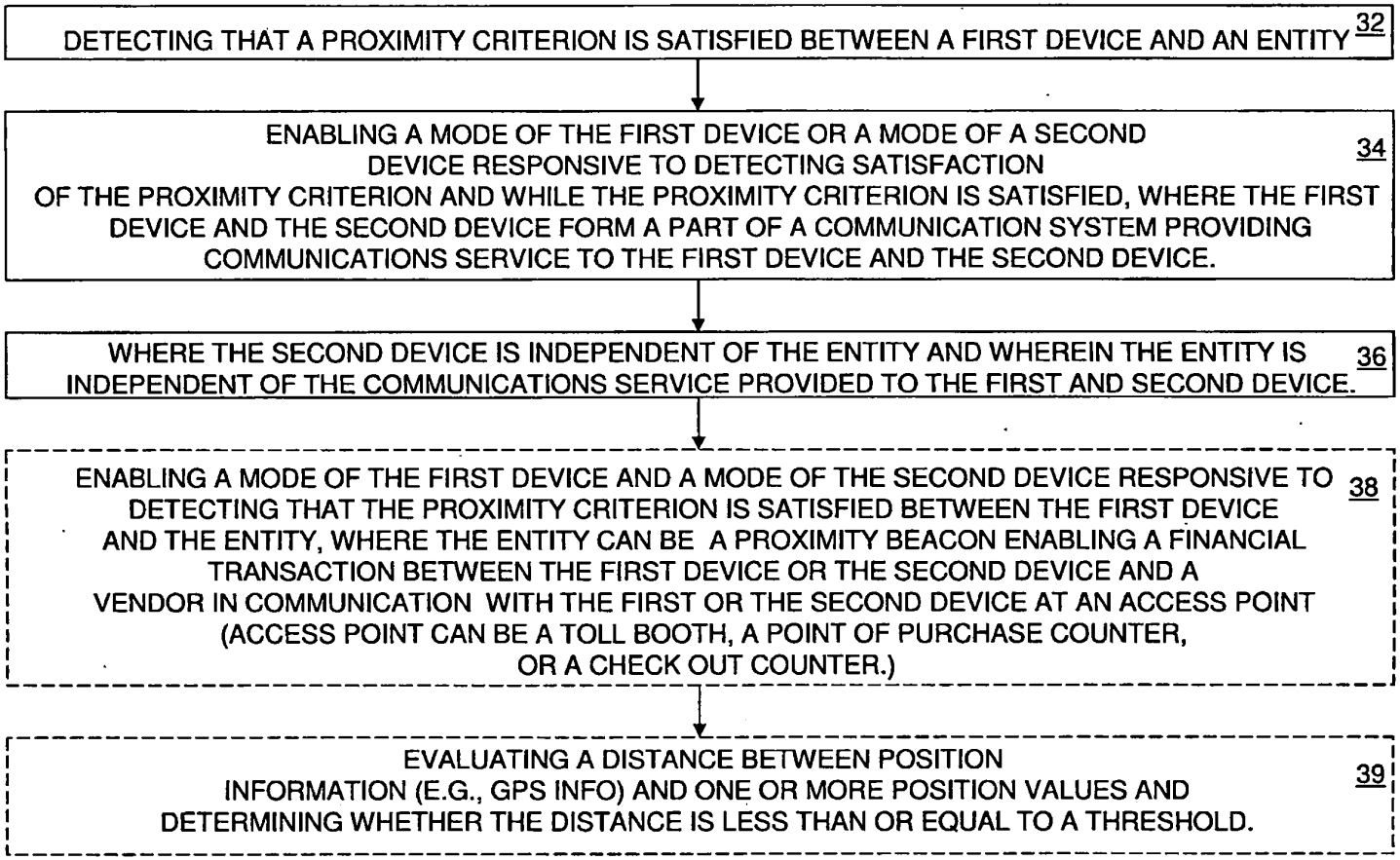
FIG. 2

FIG. 3 30


DETECTING THAT A PROXIMITY CRITERION IS SATISFIED BETWEEN A FIRST DEVICE AND AN ENTITY
32
ENABLING A MODE OF THE FIRST DEVICE OR A MODE OF A SECOND DEVICE RESPONSIVE TO DETECTING SATISFACTION OF THE PROXIMITY CRITERION AND WHILE THE PROXIMITY CRITERION IS SATISFIED, WHERE THE FIRST DEVICE AND THE SECOND DEVICE FORM A PART OF A COMMUNICATION SYSTEM PROVIDING COMMUNICATIONS SERVICE TO THE FIRST DEVICE AND THE SECOND DEVICE.
34
WHERE THE SECOND DEVICE IS INDEPENDENT OF THE ENTITY AND WHEREIN THE ENTITY IS INDEPENDENT OF THE COMMUNICATIONS SERVICE PROVIDED TO THE FIRST AND SECOND DEVICE.
36
ENABLING A MODE OF THE FIRST DEVICE AND A MODE OF THE SECOND DEVICE RESPONSIVE TO DETECTING THAT THE PROXIMITY CRITERION IS SATISFIED BETWEEN THE FIRST DEVICE AND THE ENTITY, WHERE THE ENTITY CAN BE A PROXIMITY BEACON ENABLING A FINANCIAL TRANSACTION BETWEEN THE FIRST DEVICE OR THE SECOND DEVICE AND A VENDOR IN COMMUNICATION WITH THE FIRST OR THE SECOND DEVICE AT AN ACCESS POINT (ACCESS POINT CAN BE A TOLL BOOTH, A POINT OF PURCHASE COUNTER, OR A CHECK OUT COUNTER.)
38
EVALUATING A DISTANCE BETWEEN POSITION INFORMATION (E.G., GPS INFO) AND ONE OR MORE POSITION VALUES AND DETERMINING WHETHER THE DISTANCE IS LESS THAN OR EQUAL TO A THRESHOLD.
39

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	**MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION**

As a below named inventor, I hereby declare that:

This declaration is directed to:
- ☐ The attached application, or
- ☐ United States application or PCT international application number _____ filed on _____,
  - ☐ As amended on _____ (if applicable).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR 1

Signature: _____ Date: 7/26/2016

Legal Name: **PETER D. KARABINIS**

APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

As a below named inventor, I hereby declare that:

This declaration is directed to: The attached application, or
United States application or PCT international application number
_____ filed on _____,
As amended on _____ (if applicable).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR 2

Signature: Rajendra Singh Date: JULY 26, 2016

Legal Name: **RAJENDRA SINGH**

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	9466-24TSCT
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

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Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

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Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Rajendra		SINGH	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

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Address 2			
City	Indian Creek Village	State/Province	FL
Postal Code	33154	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	9466-24TSCT
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION	

☐ **An Address is being provided for the correspondence Information of this application.**			
Customer Number	20792		
Email Address	instructions@myersbigel.com	Add Email	Remove Email

Application Information:

Title of the Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION		
Attorney Docket Number	9466-24TSCT	**Small Entity Status Claimed** ☐	
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	3	**Suggested Figure for Publication (if any)**	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	20792		

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	9466-24TSCT
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	12/264711	2008-11-04

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	9466-24TSCT
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	9466-24TSCT
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION	

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee ○ Legal Representative under 35 U.S.C. 117 ○ Joint Inventor

○ Person to whom the inventor is obligated to assign. ○ Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	Telcom Ventures, LLC		
Mailing Address Information For Applicant:			
Address 1	200 South Biscayne Blvd.		
Address 2	Suite 2790		
City	Miami	**State/Province**	FL
Country	US	Postal Code	33131
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	9466-24TSCT
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION	

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature				Date (YYYY-MM-DD)	2016-08-30
First Name	Mitchell S.	Last Name	Bigel	Registration Number	29614

Additional Signature may be generated within this form by selecting the Add button.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	9466-24TSCT
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION	

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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.**

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	Peter D. Karabinis
				Art Unit	
				Examiner Name	
Sheet	A1	of	A2	Attorney Docket Number	9466-24TSCT

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US- 8,646,060 B1	02-04-2014	Ben Ayed	
	2.	US- 8,532,069 B2	09-10-2013	Balwani	
	3.	US- 2013/0156218 A1	06-20-2013	Annacone et al.	
	4.	US- 2012/0214443 A1	08-23-2012	Daigle	
	5.	US- 2011/0314539 A1	12-22-2011	Horton	
	6.	US- 7,912,629 B2	03-22-2011	Sutter et al.	
	7.	US- 7,822,644 B2	10-26-2010	Alberth, Jr. et al.	
	8.	US- 2010/0265845 A1	10-21-2010	Lampén	
	9.	US- 2010/0067591 A1	03-18-2010	Luo et al.	
	10.	US- 2009/0213947 A1	08-27-2009	Rao et al.	
	11.	US- 2009/0169070 A1	07-02-2009	Fadell	
	12.	US- 2009/0153367 A1	06-18-2009	Lee	
	13.	US- 7,539,241 B1	05-26-2009	Dick	
	14.	US- 2009/0113543 A1	04-30-2009	Adams et al.	
	15.	US- 2009/0023474 A1	01-22-2009	Luo et al.	
	16.	US- 2008/0306868 A1	12-11-2008	Robinson et al.	
	17.	US- 2008/0227471 A1	09-18-2008	Dankar et al.	
	18.	US- 2008/0200166 A1	08-21-2008	McCamon	
	19.	US- 2008/0167966 A1	07-10-2008	Ramsdale et al.	
	20.	US- 2008/0146148 A1	06-19-2008	Hulvey	
	21.	US- 2008/0140868 A1	06-12-2008	Kalayjian et al.	
	22.	US- 2008/0040274 A1	02-14-2008	Uzo	
	23.	US- 2007/0285280 A1	12-13-2007	Robinson et al.	
	24.	US- 2007/0265984 A1	11-15-2007	Santhana	
	25.	US- 2007/0250393 A1	10-25-2007	Alberth, Jr. et al.	
	26.	US- 2007/0197261 A1	08-23-2007	Humbel	
	27.	US- 2007/0184837 A1	08-09-2007	Hohl et al.	
	28.	US- 2007/0178935 A1	08-02-2007	Shim et al.	
	29.	US- 2007/0167147 A1	07-19-2007	Krasner et al.	
	30.	US- RE39,736 E	07-17-2007	Morrill, Jr.	
	31.	US- 7,155,199 B2	12-26-2006	Zalewski et al.	
	32.	US- 7,133,659 B2	11-07-2006	Zalewski et al.	
	33.	US- 2006/0172700 A1	08-03-2006	Wu	
	34.	US- 2006/0159260 A1	07-20-2006	Pereira et al.	
	35.	US- 2006/0145893 A1	07-06-2006	Hassett	
	36.	US- 2006/0133633 A1	06-22-2006	Hyvonen et al.	
	37.	US- 7,028,897 B2	04-18-2006	Fernandes et al.	
	38.	US- 2006/0009234 A1	01-12-2006	Freer	
	39.	US- 6,957,107 B2	10-18-2005	Rogers et al.	
	40.	US- 2004/0170430 A1	09-02-2004	Gorokhov	
	41.	US- 6,769,607 B1	08-03-2004	Pitroda et al.	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	Peter D. Karabinis
				Art Unit	
				Examiner Name	
Sheet	A2	of	A2	Attorney Docket Number	9466-24TSCT

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	42.	US- 2004/0030601 A1	02-12-2004	Pond et al.	
	43.	US- 6,595,929 B2	07-22-2003	Stivoric et al.	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	44.	International Search Report and Written Opinion of the International Searching Authority, PCT Application No. PCT/US09/062792, 12-23-2009, 8 pp.	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
First Named Inventor/Applicant Name:	Peter D. Karabinis
Filer:	Mitchell S. Bigel/Susan E. Freedman
Attorney Docket Number:	9466-24TSCT

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	70	70
Utility Search Fee	2111	1	300	300
Utility Examination Fee	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**730**

Electronic Acknowledgement Receipt	
EFS ID:	26791771
Application Number:	15251882
International Application Number:	
Confirmation Number:	1249
Title of Invention:	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
First Named Inventor/Applicant Name:	Peter D. Karabinis
Customer Number:	20792
Filer:	Mitchell S. Bigel/Susan E. Freedman
Filer Authorized By:	Mitchell S. Bigel
Attorney Docket Number:	9466-24TSCT
Receipt Date:	30-AUG-2016
Filing Date:	
Time Stamp:	17:31:46
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$730
RAM confirmation Number	083116INTEFSW17322500
Deposit Account	4330
Authorized User	Susan Freedman
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	Transmittal of New Application	9466-24TSCT_2016-08-30_Transmittal.pdf	165818 9deaa844b64dae326445932f177726e235a63721	no	2
Warnings:					
Information:					
2	Transmittal Letter	9466-24TSCT_2016-08-30_Remarks.pdf	87424 c2b5bfddc81a8208ca2aa3c83d7d3d4e1257248a	no	1
Warnings:					
Information:					
3		9466-24TSCT_2016-08-30_Application.pdf	2367596 38d2eef0b88a7e30dc48cf420b4f3030dd197ed0	yes	23

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	19
Claims	20	22
Abstract	23	23

Warnings:					
Information:					
4	Drawings-only black and white line drawings	9466-24TSCT_2016-08-30_Drawings.pdf	195732 af6b348677ead26614f3469763268207a1b4e9c4	no	3
Warnings:					
Information:					
5	Oath or Declaration filed	9466-24TSCT_2016-08-30_Declaration.pdf	200748 0b629df65aad6f3083e6feb12ebad6a90305dd89	no	2

Warnings:					
Information:					
6	Application Data Sheet	9466-24TSCT_2016-08-30_ADS.pdf	777123 ee0547f6fd583682bf474a3c761bd62324ce119e	no	7
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
7	Power of Attorney	9466-24TSCT_2016-08-30_POA.pdf	254165 c011f62227316f0941801d6aff61b1aa7f9612f3	no	2
Warnings:					
Information:					
8		9466-24TSCT_2016-08-30_IDS.pdf	420584 d4be067f1023471513329e2ed588d92e52b611e9	yes	4
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Transmittal Letter		1	2	
	Information Disclosure Statement (IDS) Form (SB08)		3	4	
Warnings:					
Information:					
9	Fee Worksheet (SB06)	fee-info.pdf	35205 0e8b41b02d8d53ad0fd5d29654cf2eb3018d62c8	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	4504395		

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.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82A (07-13)
Approved for use through 11/30/2014. OMB 0651-0051
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	
Filing Date	
First Named Inventor	Peter D. KARABINIS
Title	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
Art Unit	
Examiner Name	
Attorney Docket Number	9466-24TSCT

SIGNATURE of Applicant or Patent Practitioner

Signature		Date (Optional)	08-30-2016
Name	Mitchell S. Bigel	Registration Number	29,614
Title (if Applicant is a juristic entity)	Patent Attorney		
Applicant Name (if Applicant is a juristic entity)	Telcom Ventures, LLC		

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B(07-12)
Approved for use through 11/30/2014. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in the attached transmittal letter.

[x] I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A or equivalent): 20792

OR

[ ] I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A or equivalent):

Name	Registration Number	Name	Registration Number

Please recognize or change the correspondence address for the application identified in the attached transmittal letter to:

[x] The address associated with the above-mentioned Customer Number.
OR
[ ] The address associated with Customer Number:
OR

[ ] Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the Applicant:

[ ] Inventor or Joint Inventor
[ ] Legal Representative of a Deceased or Legally Incapacitated Inventor
[x] Assignee or Person to Whom the Inventor is Under an Obligation to Assign
[ ] Person Who Otherwise Shows Sufficient Proprietary Interest (*e.g.*, a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document)

SIGNATURE of Applicant for Patent

Signature	Rajendra Singh	Date	28/7/2013
Name	Rajendra Singh	Telephone	703 447 2788
Title and Company	Chairman, Telcom Ventures, L.L.C.		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms for more than one signature, see below *.

[ ] *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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.

Attorney Docket No. 9466-24TSCT PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Peter D. KARABINIS et al.
Application No.: To Be Assigned
Filing Date: Concurrently Herewith
For: MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

August 30, 2016

Commissioner for Patents
Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Sir:

Attached is an Information Disclosure Statement listing of documents previously of record in parent Application No. **12/264,711**, filed **November 4, 2008**. As the benefit of this application is claimed under 35 U.S.C. § 120, no copies need to be furnished in accordance with 37 C.F.R. § 1.98(d); however, copies will be furnished on request.

☒ In accordance with **37 CFR 1.97(b)**, the information disclosure statement is being filed:

☒ (1) within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);

☐ (2) within three months of the date of entry of the national stage as set forth in §1.491 in an international application;

☐ (3) before the mailing of a first Office Action on the merits; or

☐ (4) before the mailing of a first Office Action after the filing of a request for continued examination under §1.114.

☐ In accordance with **37 CFR 1.97(c)**, the information disclosure statement is being filed after the period specified in 37 CFR 1.97(b) above, but before the mailing date of any of a final action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, and is accompanied by **one** of the following:

☐ (1) The statement specified under **37 CFR 1.97(e)**, as follows:

☐ Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; **or**

☐ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement; **or**

☐ (2) The fee set forth in §1.17(p);

☐ In accordance with **37 CFR 1.97(d)**, the information disclosure statement is being filed after the period specified in 37 CFR 1.97(c) above, but on or before payment of the issue fee, and is accompanied by **both** of the following:

☐ (1) The statement specified under **37 CFR 1.97(e)**, as follows:

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; **or**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement; **and**

☐ (2) The fee set forth in §1.17(p);

In accordance with **37 CFR 1.97(g)**, the information disclosure statement shall not be construed as a representation that a search has been made.

In accordance with **37 CFR 1.97(h)**, the information disclosure statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56(b).

☐ The Director is hereby authorized to charge the fee specified in 37 C.F.R. § 1.17(p), and any fee deficiency or credit any overpayment, to Deposit Account No. 50-0220;

☐ Fees are to be charged to a credit card; or

☒ No fee is believed due. However, the Director is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,

Mitchell S. Bigel
Registration No. 29,614

Customer Number 20792
Myers Bigel & Sibley, P.A.
P.O. Box 37428, Raleigh, NC 27627
919-854-1400
919-854-1401 (Fax)

CERTIFICATION OF TRANSMISSION

I hereby certify that this correspondence is being transmitted via the Office electronic filing system in accordance with 37 CFR § 1.6(a)(4) to the U.S. Patent and Trademark Office on August 30, 2016.

Susan E. Freedman

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
15/251,882	08/30/2016	2642	730	9466-24TSCT	8	2

CONFIRMATION NO. 1249

20792
MYERS BIGEL & SIBLEY, P.A.
PO BOX 37428
RALEIGH, NC 27627

FILING RECEIPT

OC000000085702556

Date Mailed: 09/13/2016

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

Inventor(s)

Peter D. Karabinis, Cary, NC;
Rajendra SINGH, Indian Creek Village, FL;

Applicant(s)

Telcom Ventures, LLC, Miami, FL;

Power of Attorney: The patent practitioners associated with Customer Number 20792

Domestic Priority data as claimed by applicant

This application is a CON of 12/264,711 11/04/2008

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 09/09/2016

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/251,882**

Projected Publication Date: 12/22/2016

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****
Title

MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

Preliminary Class

455

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/251,882

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	8 minus 20 =	*	x 40 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2 minus 3 =	*	x 210 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	730		TOTAL	

APPLICATION AS AMENDED - PART II

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

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/251,882	08/30/2016	Peter D. Karabinis	9466-24TSCT

CONFIRMATION NO. 1249

20792
MYERS BIGEL, P.A.
PO BOX 37428
RALEIGH, NC 27627

PUBLICATION NOTICE

OC000000088059752

Title:MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

Publication No.US-2016-0374003-A1
Publication Date:12/22/2016

NOTICE OF PUBLICATION OF APPLICATION

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

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

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently http://pair.uspto.gov/. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/251,882	08/30/2016	Peter D. Karabinis	9466-24TSCT	1249

20792 7590 06/05/2017
MYERS BIGEL, P.A.
PO BOX 37428
RALEIGH, NC 27627

EXAMINER
VU, MICHAEL T

ART UNIT	PAPER NUMBER
2641	

MAIL DATE	DELIVERY MODE
06/05/2017	PAPER

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.

PTOL-90A (Rev. 04/07)

Office Action Summary	Application No. 15/251,882	Applicant(s) KARABINIS ET AL.	
	Examiner MICHAEL T. VU	Art Unit 2641	AIA (First Inventor to File) Status No

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *08/30/2017*.

☐ 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) *1-8* 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) *1-8* 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 *08/30/2017* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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

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

Attachment(s)

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

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

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

4) ☐ Other: _____.

DETAILED ACTION

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

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 08/30/2016 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Drawings

3. The drawings were received on 08/30/2016. These drawings are considered by examiner.

Terminal Disclaimer

4. Examiner suggests the Assignee must submit the Terminal Disclaimer accordingly, in order to process of the application promptly.

Double Patenting

5. 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).

6. Claims 1-8 are rejected on the ground of non-statutory obviousness-type double patenting as being unpatentable over claims 1-4 of Patent No. **9,462,411**. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims in the instant application was filed on June 27, 2013 is non-statutory and is broader than the ones in the patent and encompasses a similar invention as recited in the patent claims, i.e., a method of operating a smartphone using a first air interface and a second air interface that differs from the first air interface, the method comprising: communicating between the smartphone and an entity using; therefore, the claims are obviousness-type by the claims in U.S Patent No. **9,462,411** (See In re Goodman).

Claim Rejections - 35 USC § 103

7. 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.

8. Claims 1-8 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Daigremont et al (US 2003/0220105), hereinafter "Daigremont", in view of Gallagher et al (US 2007/0243872), hereinafter "Gallagher".

Regarding **claim 1,** Daigremont teaches a method of operating a smartphone using a first air interface and a second air interface that differs from the first air interface (par [0009] teaches a mobile terminal that using a first air interface and a second air interface), the method comprising:

communicating between the smartphone and an entity using the first air interface responsive to a proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over a short-range link between the smartphone and the entity (pars 0009] [0050] teach a mobile terminal that using a first air interface over a short range link between the mobile terminal and the server which connected to communication interface);

refraining from communicating between the smartphone and the entity by the smartphone using the first air interface absent the proximity criterion having been satisfied between the smartphone and the entity (pars [0009] [0019] teach the mobile terminal connected to the cellular communication network or long range communication which means refraining the connection with the short range communication); and

communicating between the smartphone and a base station using the second air interface to receive a communications service from the base station via the second

air interface (pars [0009] [0019] [0050] teach the mobile terminal connected to the cellular communication network reads on the second air interface includes the base station), wherein the smartphone receives the communications service from the base station via the second air interface but does not receive the communications service from the entity via the first air interface (pars [0009] [0019] [0050] teach the mobile terminal receives the cellular communication network means does not receive the first air interface and/or the short range communication link),

Daigremont does not explicitly teach wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over the short-range link between the smartphone and the entity is performed concurrently with the communicating between the smartphone and the base station using the second air interface to receive a communications service from the base station via the second air interface.

Gallagher, in the same field of endeavor, teaches wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over the short-range link between the smartphone and the entity is performed concurrently with the communicating between the smartphone and the base station using the second air interface to receive a communications service from the base station via the second air interface (pars [0060-0062] teach the licensed-use and unlicensed-use communications systems between the terminal and the base

station that operative the wireless communication systems such as unlicensed-used frequencies (short range) and the licensed-used (long range) frequencies which reads on responsive from the first air interface and the second air interface satisfied the communications service).

Therefore, it would have been obvious to one skilled in the art at the time of the invention, to modify Daigremont, with Gallagher's teaching, in order to control the protocol exchange over a licensed-used and unlicensed-used wireless communications system, in which improved and efficient data services over a voice and data communication network as taught by Gallagher (col. 1, pars [0008-0011]).

Regarding **claims 2 and 6,** Daigremont and Gallagher teach the method according to Claims 1, 5, Daigremont further teaches comprising detecting that the proximity criterion between the smartphone and the entity is satisfied (pars [0009] [0019] [0050] teach detecting the short range communication criteria between the terminal device and the server, or base station).

Regarding **claims 3 and 7,** Daigremont and Gallagher teach the method according to Claims 2, 6, Daigremont further teaches wherein the detecting comprises: detecting that a proximity criterion of less than 10 meters in distance is satisfied between the smartphone and the entity (pars [0030-0032] teach detecting the non-cellular communication network e.g., Bluetooth technology or any short range communication network, (IrDa, wireless LAN)), wherein the detecting is performed by

the smartphone (pars [0030-0032]), by a device that is associated with the entity **and/or** by a system that is associated with the smartphone (pars [0030-0032]).

Regarding **claims 4 and 8,** Daigremont and Gallagher teach the method according to Claims 1, 5, Daigremont further teaches comprising: selectively sending the information by the smartphone to another device and receiving other information by the smartphone from the other device responsive to the proximity criterion having been satisfied between the smartphone and the entity (pars [0009] [0019] [0030-0032] and [0050] teach responsive to the short range communication criterion).

Regarding to **claim 5**, the claim is interpreted and rejected for the same reason as set forth in claim 1.

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL T. VU whose telephone number is 571-272-8131. The examiner can normally be reached on 9:00am - 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, Charles N. Appiah can be reached on (571) 272-7904. 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.

/MICHAEL T VU/

Primary Examiner, Art Unit 2641

Notice of References Cited	Application/Control No. 15/251,882	Applicant(s)/Patent Under Reexamination KARABINIS ET AL.	
	Examiner MICHAEL T. VU	Art Unit 2641	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2003/0220105 A1	11-2003	Daigremont, Johann	H04W4/02	455/424
*	B	US-2007/0243872 A1	10-2007	Gallagher; Michael D.	H04W76/022	455/436
	C	US-				
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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BIB DATA SHEET

CONFIRMATION NO. 1249

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
15/251,882	08/30/2016 **RULE**	455	2641	9466-24TSCT

APPLICANTS
Telcom Ventures, LLC, Miami, FL;

INVENTORS
Peter D. Karabinis, Cary, NC;
Rajendra SINGH, Indian Creek Village, FL;

**** CONTINUING DATA ***************************
This application is a CON of 12/264,711 11/04/2008 PAT 9462411

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** ** SMALL ENTITY **
09/09/2016

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /MICHAEL T VU/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		NC	3	8	2

ADDRESS
MYERS BIGEL, P.A.
PO BOX 37428
RALEIGH, NC 27627
UNITED STATES

TITLE
MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

FILING FEE RECEIVED		
730	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15251882	KARABINIS ET AL.
	Examiner	**Art Unit**
	MICHAEL T VU	2641

CPC- SEARCHED		
Symbol	**Date**	**Examiner**
H04W 48/04	5/26/2017	MTV

CPC COMBINATION SETS - SEARCHED		
Symbol	**Date**	**Examiner**
H04W12/06 OR H04W4/023 OR H04W64/00 OR H04W88/02 OR H04W4/008 OR H04W4/025 OR H04W4/22 OR H04W88/06 OR H04W4/02 OR H04W12/08 OR H04W84/12 OR H04W12/04 OR H04W4/001 OR H04W4/005 OR H04W4/021 OR H04W4/0	5/26/2017	MTV

US CLASSIFICATION SEARCHED			
Class	**Subclass**	**Date**	**Examiner**

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
Inventor Name: Peter Karabinis	5/26/2017	MTV
Assignee: Telcom Ventures	5/26/2017	MTV
Double Patent Rejected	5/26/2017	MTV
EAST Searched System	5/26/2017	MTV

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

	/MICHAEL T VU/ Primary Examiner.Art Unit 2641

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15251882	KARABINIS ET AL.
	Examiner	**Art Unit**
	MICHAEL T VU	2641

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

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	05/26/2017								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	537	(bluetooth wifi wi-fi) same (finger adj print)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2017/05/30 14:29
L2	147	1 AND ((H04W12/06 OR H04W4/023 OR H04W64/00 OR H04W88/02 OR H04W4/008 OR H04W4/025 OR H04W4/22 OR H04W88/06 OR H04W4/02 OR H04W12/08 OR H04W84/12 OR H04W12/04 OR H04W4/001 OR H04W4/005 OR H04W4/021 OR H04W4/046 OR H04W76/021 OR H04W84/04 OR H04W8/22 OR H04W12/02 OR H04W16/14 OR H04W48/04 OR H04W4/006 OR H04W4/12 OR H04W4/14 OR H04W4/206 OR H04W64/006 OR H04W84/18 OR H04W8/005 OR H04W8/18).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2017/05/30 14:29
L4	636	(unlicensed un-licensed) same licensed same (proximity (short adj range))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/30 14:35
L5	108	(unlicensed un-licensed) same licensed same (proximity (short adj range)) same protocol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/30 14:35
S1	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 11:14
S2	1	12/264711 and "16"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 11:30
S3	1	12/264711 and entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 11:32
S4	15	financial near transaction same	US-PGPUB;	OR	OFF	2011/09/13

		payment near3 toll	USPAT; USOCR; EPO; JPO; DERWENT			11:52
S5	8905	455/456.1-456.6.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:01
S6	2466044	first same second same (mobile pda cell cellular portable phone device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:02
S8	9883	first same second same (mobile pda cell cellular portable phone device) same entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:03
S10	222	S5 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:04
S12	3555	entity same (detect$3 associat$4) same first same second same (mobile pda cell cellular portable phone device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:05
S13	88	S5 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:05
S14	87	entity same (detect$3 associat$4) same first same second same (mobile pda cell cellular portable phone device) and (position location) same velocity same time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:10
S15	5	S5 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:10
S16	1	entity same (detect$3 associat$4) same first same second same (mobile pda cell cellular portable phone device) and (position location) same velocity and time-of-day	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:16
S17	286	(detect$3 associat$4) same first same second same (mobile pda cell cellular portable phone device) and (position location) and pay$6 near2 toll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:18
S18	4	S5 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:18
S19	275	first near4 (mobile pda cell cellular	US-PGPUB;	OR	OFF	2011/09/13

		portable phone device) same second near4 (mobile pda cell cellular portable phone device) and pay$6 near2 toll	USPAT; USOCR; EPO; JPO; DERWENT			12:20
S20	9	S5 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:20
S21	411	(payment toll) same (master slave) same (phone portable mobile cell cellular pda)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:31
S22	2	S5 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:31
S24	55	(pay$4 near2 toll) same (first master) same (second slave) same (phone portable mobile cell cellular pda device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:42
S25	339	karabinis near2 peter.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/19 15:59
S26	466	time-of-day and velocity and entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/19 16:00
S27	5	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/19 16:00
S28	1	12/264711 and detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/02/03 16:07
S29	1	12/264711 and value same satisf$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/02/03 16:27
S30	6	(mobile cell cellular pda phone) same payroll same (met satisf$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 16:31
S31	1	(mobile cell cellular pda phone) same ((pay adj toll) paytoll) same (met satisf$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 16:32
S32	145	(mobile cell cellular pda phone) same	US-PGPUB;	OR	ON	2012/02/03

		((pay adj toll) paytoll)	USPAT; USOCR; EPO; JPO; DERWENT			16:36
S33	1204055	(time-of-day TOD ToM ToY velocity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/02/03 16:38
S34	14	S32 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/02/03 16:38
S36	28	(mobile cell cellular pda phone) same ((pay adj toll) paytoll purchas$5) same respon$6 near2 value	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 16:52
S38	8	(mobile cell cellular pda phone) same ((pay adj toll) paytoll) same value	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 16:56
S39	4	("20030187571" | "20070176771" | "20090143966" | "6012012").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/02/03 17:16
S40	23	("7133659" | "20060145893" | "20070285280" | "7822644" | "7028897" | "RE39736" | "20070167147" | "20080167966" | "20060009234" | "6769607" | "7155199" | "20040030601").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 17:29
S41	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/15 16:24
S42	1	12/264711 and second near device	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/15 16:26
S43	1	12/264711 and mode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/15 16:39
S44	878	(deduct$4 withdrawn$3 charg$4 paid pay$3) same (toll$3) same (master owner)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 21:20
S45	202	(deduct$4 withdrawn$3 charg$4 paid pay$3) same (toll$3) same (master owner slave) same (first second)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 21:22
S47	15	(deduct$4 withdrawn$3 charg$4 paid pay$3) same (toll$3) same (master	US-PGPUB; USPAT;	OR	ON	2014/05/16 21:22

		owner slave) same (first second) same (RFID tag)	USOCR; EPO; JPO; DERWENT			
S48	21	(deduct$4 withdrawn$3 charg$4 paid pay$3) same (toll$3) same (master owner slave) same ((first second) near3 (device user))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 21:27
S49	82	(deduct$4 withdrawn$3 charg$4 paid pay$3) with (master owner) same (toll$3) same (transponder RFID tag$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 21:39
S50	83	(master primary owner) with (deduct$4 withdrawn$3 charg$4 paid pay$3) same (toll$3) same (transponder RFID tag$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 22:13
S51	17	(First primary multiple plurality) near2 (RFID tag$2) same (toll$3) same (bill$3 charg$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 22:25
S52	5	(toll) with non-member	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:35
S53	145	(toll) same (transaction) same member	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:36
S54	99	(toll) with (transaction) same member	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:36
S55	0	((pay adj toll) pay-toll) with (transaction) same member	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:37
S56	2	((pay adj toll) pay-toll) same (transaction) same member	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:37
S57	35	((pay adj toll) pay-toll) same (bill$3 charg$3 authoriz$6 transaction) same (master owner primary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:55
S58	287974	H04W 64/00.CPC.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:25
S59	287974	H04W 4/02.CPC.	US-PGPUB; USPAT;	OR	ON	2014/05/20 15:25

			USOCR; EPO; JPO; DERWENT			
S60	287974	H04W 48/04.CPC.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:25
S62	22	(mobile cell cellular pda phone) same ((pay adj toll) paytoll) same (transponder RFID) same (charg$4 bill$4 transaction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:26
S63	1	S58 and S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:26
S65	117	(mobile cell cellular pda phone) same ((pay adj toll) paytoll toll) same (transponder RFID) same (charg$4 bill$4 transaction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:27
S66	5	S58 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:27
S67	7	("20070066226" | "20070247333" | "20080086240" | "20100207754" | "20110039571" | "7139589" | "7539500").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2014/05/20 15:27
S68	5	S59 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:28
S69	35	((pay adj toll) pay-toll) same (bill$3 charg$3 authoriz$6 transaction) same (master owner primary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:28
S70	2	S60 and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:28
S71	17	("20010037174" | "20030115095" | "20030195697" | "20050107951" | "20070142050" | "20080030376" | "4676187" | "5184303" | "5509052" | "5550738" | "5694322" | "5970481" | "5974356" | "6199010" | "6594576" | "6705521" | "6741927").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2014/05/20 15:28
S73	529	(mobile cell cellular pda phone) same ((pay adj toll) paytoll toll) same (charg$4 bill$4 transaction) same (primary owner authoriz$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:30
S74	15	S58 and S73	US-PGPUB;	OR	ON	2014/05/20

			USPAT; USOCR; EPO; JPO; DERWENT			15:30
S75	15	S59 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:31
S76	15	S60 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:31
S77	35	((pay adj toll) pay-toll) same (bill$3 charg$3 authoriz$6 transaction) same (master owner primary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:31
S78	2	S59 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:31
S79	0	12/264711 and smartphone and building	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2014/09/08 11:22
S80	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2014/09/08 11:22
S81	5416	(phone mobile cell cellular pda) same (((Orthogonal adj Frequency adj Division adj Multiplexed) (Orthogonal adj Frequency adj Division adj Multiple adj Access)OFDM OFDMA)) same protocol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 13:50
S82	23	(phone mobile cell cellular pda) same (((Orthogonal adj Frequency adj Division adj Multiplexed) (Orthogonal adj Frequency adj Division adj Multiple adj Access)OFDM OFDMA)) near4 protocol same (identif$6 RFID)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 13:51
S83	13004	(phone mobile cell cellular pda) same associat$6 same (identif$6 RFID) same (entity build$4 shopp$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 13:55
S84	246	(phone mobile cell cellular pda) same associat$6 same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 13:57
S85	11	(phone mobile cell cellular pda) same associat$6 same (identif$6 RFID) same (entity build$4 shopp$4) same	US-PGPUB; USPAT; USOCR;	OR	ON	2014/09/08 13:57

		(financial near2 transaction) same ((short adj range) proximity)	EPO; JPO; DERWENT			
S86	17	11/933803	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:00
S87	19	(phone mobile cell cellular pda) same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) same ((short adj range) proximity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:07
S88	19	(phone mobile cell cellular pda) same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) same ((short adj range) proximity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:11
S89	19	(phone mobile cell cellular pda) same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) same ((short adj range) proximity wifi wimax)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:11
S90	0	(phone mobile cell cellular pda) same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) same ((short adj range) proximity wifi wimax) and (OFDM OFDMA)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:11
S91	2	(phone mobile cell cellular pda) same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) and ((short adj range) proximity wifi wimax) and (OFDM OFDMA)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:12
S96	1065	(dual-mode dual adj mode dualmode) with (identif$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/09 15:02
S97	46	(dual-mode dual adj mode dualmode) with (identif$7) same (wimax wifi)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/09 15:02
S98	2	(dual-mode dual adj mode dualmode) with (identif$7) same (wimax wifi) same build$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/09 15:03
S99	308133	h04w 64/00.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/10 09:54
S100	46	(dual-mode dual adj mode dualmode) with (identif$7) same (wimax wifi)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/10 09:55
S101	27	S99 and S100	US-PGPUB;	OR	ON	2014/09/10

			USPAT; USOCR; EPO; JPO; DERWENT			09:55
S102	308133	H04W 4/02.CPC.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/10 09:55
S103	27	S100 and S102	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/10 09:55
S105	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 10:37
S108	46	(mobile cellular cell pda phone) same switch$4 same ((short adj range) RFID) same inside	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 10:52
S109	1	12/264711 and detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 10:56
S111	0	detect$3 same enable with ((plurality two) adj2 mode) same (short-range (short adj range))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 10:59
S112	101	detect$3 same ((plurality two) adj2 mode) same (short-range (short adj range))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 10:59
S113	38085416	@ad<"20081104" @rlad<"20081104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:00
S114	90	S112 and S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:00
S115	120	automat$8 same switch$4 same (RFID short-range (short adj range)) same (inside building)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:10
S116	77	S113 and S115	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:10
S118	225	(mobile cell cellular pda phone) same	US-PGPUB;	OR	ON	2015/01/21

		((enab$6 switch$3) near3 mode) same detect$4 same (short-range wifi wi-fi (short adj range))	USPAT; USOCR; EPO; JPO; DERWENT			11:19
S119	50	S113 and S118	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:20
S120	1	12/264711 and sens$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/01 19:42
S121	200	(phone pda cell cellular portable pda) same (toll adj2 collect$3) same (account$3 charg$3 pay$3 paid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/04 13:47
S122	60	(phone pda cell cellular portable pda) same (toll adj2 collect$3) same (identif$5) same (account$3 charg$3 pay$3 paid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/04 13:48
S124	1	(slave master) same (phone pda cell cellular portable pda) same (toll adj2 collect$3) same (identif$5) same (account$3 charg$3 pay$3 paid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/06 10:59
S125	1	(slave master) same (phone pda cell cellular portable pda) same (toll adj2 collect$3) same (identif$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/06 11:00
S127	0	(recogniz$3 with (phone pda cell cellular portable pda)) same (toll adj2 collect$3) same (identif$5) same (account$3 charg$3 pay$3 paid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/06 11:02
S128	0	((multiple group) near5 (phone pda cell cellular portable pda)) same (toll adj2 collect$3) same (identif$5) same (account$3 charg$3 pay$3 paid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/06 11:03
S129	1	(phone pda cell cellular portable pda) same (toll adj2 collect$3) same (identif$5) same (account$3 charg$3 pay$3 paid) near8 (primary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/06 11:03
S131	395	(deduct$3 charg$3 withdraw$3) near7 (owner primary) same toll$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 11:15
S132	34	(deduct$3 charg$3 withdraw$3) near7 (owner primary) same toll$3 near2 collect$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 12:26
S133	4	(deduct$3 charg$3 withdraw$3)	US-PGPUB;	OR	ON	2015/04/07

		near7 (owner primary) with toll$3 near2 account$3	USPAT; USOCR; EPO; JPO; DERWENT			12:34
S134	1	(deduct$3 charg$3 withdraw$3) same (multiple group) same (owner primary) with toll$3 near2 account$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 12:40
S135	0	12/264711 and absent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 13:35
S137	150	switch$3 same first near2 mode same second near2 mode same (RFID wifi wi-fi)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 14:13
S138	2	switch$3 same first near2 mode same second near2 mode same (RFID wifi wi-fi) same (emergency priorit$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 14:13
S139	70	switch$3 same first near2 mode same second near2 mode same (RFID wifi wi-fi) and (emergency priorit$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 14:14
S140	65	switch$3 same first near2 mode same second near2 mode same (wifi wi-fi)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 14:30
S141	205	(dual-mode dual adj mode dualmode) with (convert$4 switch$4) same (wimax wifi wi-fi)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 14:39
S142	1	"08532069"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/09 10:30
S143	1	12/264711 and financial near transaction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2015/04/09 11:20
S144	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2015/09/17 16:50
S145	345	(phone pda cell cellular portable pda) with between with financial near2 transaction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/17 20:45
S146	13	(phone pda cell cellular portable pda)	US-PGPUB;	OR	ON	2015/09/17

		with between with financial near2 transaction same ((short adj range) RFID)	USPAT; USOCR; EPO; JPO; DERWENT			20:47
S147	1	12/002903	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/18 13:43
S148	2	"20090023474"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/18 13:53
S152	73	(mobile phone pda cell cellular) same (financial near transaction) same (match$4 near6 (ID identif$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/18 14:16
S153	451	(financial near transaction) near6 between near8 (mobile phone pda cell cellular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/18 14:22
S154	92	(financial near transaction) near6 between near8 (mobile phone pda cell cellular) same ((short adj range) (RFID))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/18 14:22
S155	0	12/264711 and living near2 organism	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 13:02
S156	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 13:03
S157	18070	physiological near data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:48
S158	7491	physiological near data same sens$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:48
S159	45	physiological near data same sens$3 same living	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:49
S160	0	physiological near data same sens$3 same living same phone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:55
S161	7	physiological near data same sens$3	US-PGPUB;	OR	ON	2015/10/19

		same living same (mobile smart-phone smartphone cell cellular pda)	USPAT; USOCR; EPO; JPO; DERWENT			14:56
S162	5	physiological near data same living near3 organ$4 same (mobile smart-phone smartphone cell cellular pda)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:57
S163	92	sens$4 same physiological near3 data same living	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 15:23
S164	15	sens$4 same physiological near3 data same living same (mobile cell cellular pda smartphone phone smart-phone portable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 15:23
S165	0	wegertseder near3 dominlk.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 15:27
S166	92	sens$4 same physiological near3 data same living	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 17:59
S167	4	S166 AND ((H04W4/027 OR H04W60/04 OR H04W64/006).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 17:59
S168	15	S166 AND ((G06F19/3418 OR G06F19/322 OR G06F19/3431 OR G06F15/18 OR G06F19/327 OR G06F19/3437 OR G06F19/3468 OR G06F3/038 OR G06F19/3481 OR G06F3/0416).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 17:59
S169	14	S166 AND ((G01S13/88 OR G01S13/583 OR G01S13/56 OR G01S19/39 OR G01S5/00 OR G01S5/0294 OR G01S13/825 OR G01S13/87 OR G01S7/003 OR G01S13/50 OR G01S7/41).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 18:00
S170	0	12/264711 and living near organism	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2016/02/10 14:29
S171	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2016/02/10 14:29
S172	1	12/264711 and physiological	US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	OFF	2016/02/10 14:45

			DERWENT			
S173	0	(bluetooth wifi wi-fi) same (sale adj2 terminal) same (finger adj print)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:02
S175	14	(bluetooth wifi wi-fi) same (finger adj print) same match$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:02
S177	259	(bluetooth wifi wi-fi) and (finger adj print) near6 match$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:07
S178	137	(bluetooth wifi wi-fi) and (finger adj print) near6 match$3 same (terminal pda phone portable cell cellular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:07
S179	38047193	@ad< "20081104" @rlad< "20081104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:08
S181	0	(bluetooth wifi wi-fi) and (finger adj print) near6 match$3 same (terminal pda phone portable cell cellular) same sale	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:09
S182	142	(bluetooth wifi wi-fi) and (ID identif$6 (finger adj print)) near6 match$3 same (terminal pda phone portable cell cellular) same sale	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:11
S183	53	S179 and S182	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:11
S184	937	(bluetooth wifi wi-fi) same (ID identif$6 (finger adj print)) near6 match$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:16
S185	2	(bluetooth wifi wi-fi) same ((finger adj print) near6 match$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:16
S187	9	(bluetooth wifi wi-fi) same (finger adj print) same sale	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:18
S188	60	(bluetooth wifi wi-fi) same (fingerprint finger-print (finger adj print)) same sale	US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	ON	2016/02/10 16:21

			DERWENT			
S189	35	S179 and S188	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:21
S190	424	(bluetooth wifi wi-fi) same (fingerprint finger-print (finger adj print)) same (sale match$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:36
S191	194	(bluetooth wifi wi-fi) same (fingerprint finger-print (finger adj print)) near8 (match$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:36
S193	68	S179 and S191	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:37
S194	6	(3D adj4 positioning) same horizontal same height	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/11 13:31
S195	1	(3D adj4 positioning) same horizontal same height same indoor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/11 13:31
S196	0	(smart adj2 (device phone)) and (physiological adj2 data) and (living adj organism) and (proxim$4 sens$3) with entity and (first adj air adj interface) and respon$5 with value near6 (physiological adj2 data) and (second adj air adj interface).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2016/06/10 10:42
S197	175	(sens$4 proxim$4) same (physiological adj5 data) and (liv$3 adj2 organism)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:43
S198	8	(sens$4 proxim$4) same (physiological adj5 data) same (liv$3 adj2 organism)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:43
S199	15	(sens$4 proxim$4) same (physiological adj5 data) and (liv$3 adj2 organism) and (air adj3 interfac$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:44
S200	396983	455/$.ccls. 705/$.ccls. 709/$.ccls. 379/$.ccls. 370/$.ccls.	USPAT	OR	OFF	2016/06/10 10:46
S201	3	S197 and S200	USPAT	OR	OFF	2016/06/10 10:46
S202	157	("20010011222" | "20010023315" | "20010044809" | "20010052012" |	US-PGPUB; USPAT;	OR	OFF	2016/06/10 10:46

		"20020010797" | "20020013518" | "20020023172" | "20020037035" | "20020072933" | "20020099854" | "20020128862" | "20020143824" | "20020151771" | "20020184070" | "20020184384" | "20030004403" | "20030037043" | "20030074248" | "20030093459" | "20030177035" | "20030212982" | "20030233250" | "20040030763" | "20040044545" | "20040049522" | "20040088374" | "20040122708" | "20040143677" | "20040172442" | "20040176983" | "20040215830" | "20050038326" | "20050054921" | "20050071316" | "20050071324" | "20050071486" | "20050091358" | "20050125778" | "20050154855" | "20050165947" | "20050198364" | "20050204022" | "20050222896" | "20050273772" | "20060017563" | "20060052945" | "20060069605" | "20060080338" | "20060085336" | "20060085450" | "20060089541" | "20060101109" | "20060111936" | "20060129435" | "20060168513" | "20060178841" | "20060178914" | "20060200259" | "20060253259" | "20070016563" | "20070027670" | "20070061393" | "20070073872" | "20070094548" | "20070156726" | "20070208865" | "20080052384" | "20080082683" | "20080133699" | "20080134133" | "20080140770" | "20080191866" | "20090037514" | "20100005448" | "20110022748" | "20110179405" | "20110202824" | "20120203873" | "5261080" | "5307262" | "5446880" | "5517622" | "5664126" | "5708828" | "5710908" | "5721895" | "5724580" | "5734907" | "5857195" | "5892925" | "5999979" | "6026392" | "6050940" | "6130917" | "6190313" | "6193654" | "6226620" | "6249668" | "6250309").PN. OR ("6275869" | "6330572" | "6332163" | "6375614" | "6400286" | "6438594" | "6496851" | "6584445" | "6616606" | "6625617" | "6633833" | "6644322" | "6651104" | "6665725" | "6669631" | "6697103" | "6721286" | "6763353" | "6766361" | "6779004" | "6792431" | "6801331" | "6820135" | "6839717" | "6848108" | "6875174" | "6915312" | "6940807" | "6942616" | "6951539" | "6970844" | "6978422" | "6993536" | "7016963" | "7054924" | "7065579" | "7124299" | "7136927" | "7181508" | "7200671" | "7321861" | "7340500" | "7360154" | "7389474" | "7392255" | "7408932" | "7542958" | "7653227" | "7668737" | "7725606" | "7761862" | "7783637" | "7788648" | "7859401" | "7966078" | "8024128" | "8079953" |	USOCR			

		"8370078").PN.				
S203	6	("20100117899" | "20100159990" | "20100260141" | "20100261474" | "20110081931" | "8060108").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:46
S206	62	(mobile cellular cell pda phone iphone ipad portable) same switch$4 same ((short adj range) RFID) same POS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:48
S207	36	S206 AND ((H04W12/06 OR H04W88/02 OR H04W88/00 OR H04W52/0254 OR H04W52/0274 OR H04W74/00 OR H04W48/18 OR H04W4/008 OR H04W88/10 OR H04W12/08 OR H04W48/02 OR H04W48/08 OR H04W48/16 OR H04W48/20 OR H04W4/02 OR H04W4/023 OR H04W4/027 OR H04W4/046 OR H04W64/006 OR H04W68/02 OR H04W84/045 OR H04W88/08 OR H04W8/20 OR H04W8/22).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:48
S208	30	S206 AND ((H04M1/0274 OR H04M1/72575 OR H04M17/103 OR H04M17/106 OR H04M2017/12 OR H04M2017/14 OR H04M15/77 OR H04M15/774 OR H04M2215/7254 OR H04M2215/7272 OR H04M15/68 OR H04M17/02 OR H04M2215/0196 OR H04M2250/04 OR H04M1/0254 OR H04M1/72527 OR H04M1/7253 OR H04M2250/02).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:48
S209	5	("5955961" | "6764005" | "6769607" | "7558110" | "8313037").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:49
S210	14	S206 AND ((G06F21/34 OR G06F1/1698 OR G06F1/3209 OR G06F1/329 OR G06F9/5094).CPC.)	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:49
S211	99	("20020016639" | "20020040475" | "20030120959" | "20040148388" | "20050055589" | "20050123109" | "20050243861" | "20060053324" | "20060056397" | "20070024239" | "20070043477" | "20070050818" | "20070135086" | "20070143637" | "20070189257" | "20070214473" | "20070233323" | "20070276547" | "20080001584" | "20080037999" | "20080052546" | "20080063381" | "20080178232" | "20080215899" | "20080215902" | "20080225841" | "20080244282" | "20080256371" | "20080272741" | "20080301322" | "20080303486" | "20090049315" | "20090070603" | "20090083167" | "20090182834" | "20090195349" | "20090196281" | "20090217063" | "20090217188" | "20090228723" | "20090249091" | "20090263127" | "20090310607" | "20100052421" | "20100070217" | "20100080111" | "20100111523" | "20100162294" |	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:49

		"20100162305" | "20100172628" | "20100205466" | "20100235868" | "20100241880" | "20100247068" | "20100309904" | "20100322078" | "20100329108" | "20110022699" | "20110029796" | "20110067048" | "20110072286" | "20110125337" | "20110131428" | "20110157939" | "20110199046" | "20110239019" | "20110246797" | "20120045210" | "20120095610" | "20120120958" | "20120226918" | "20120284537" | "20130303202" | "4785927" | "6618709" | "6785592" | "6930947" | "6980526" | "7084752" | "7177728" | "7203849" | "7263450" | "7324518" | "7337336" | "7366933" | "7392407" | "7698580" | "7734572" | "7908501" | "7921306" | "7941677" | "7966502" | "7974298" | "8160753" | "8225124" | "8250381" | "8261104" | "8301918" | "8352754").PN.				
S212	22	S206 AND ((H04L2463/102 OR H04L63/083 OR H04L63/0853 OR H04L2209/80 OR H04L2209/56 OR H04L63/0823 OR H04L63/0861 OR H04L9/3231 OR H04L12/12 OR H04L41/0213 OR H04L41/0833 OR H04L41/0803 OR H04L5/0048 OR H04L63/0876 OR H04L63/10 OR H04L63/101 OR H04L63/108 OR H04L67/02 OR H04L67/125).CPC.)	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:50
S213	59	("20020040475" | "20040148388" | "20050243861" | "20070024239" | "20070050818" | "20070135086" | "20070143637" | "20070214473" | "20080001584" | "20080037999" | "20080052546" | "20080063381" | "20080215899" | "20080215902" | "20080225841" | "20080256371" | "20080272741" | "20080303486" | "20090049315" | "20090083167" | "20090196281" | "20090228723" | "20100052421" | "20100070217" | "20100080111" | "20100162294" | "20100162305" | "20100172628" | "20100205466" | "20100235868" | "20100241880" | "20100247068" | "20100309904" | "20100322078" | "20100329108" | "20110022699" | "20110029796" | "20110067048" | "20110072286" | "20110131428" | "20110157939" | "20110199046" | "20110246797" | "4785927" | "6269343" | "6415270" | "6618709" | "6681156" | "6785592" | "6930947" | "6980526" | "7084752" | "7188260" | "7263450" | "7366933" | "7392407" | "7698580" | "7966502" | "7974298").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:50
S214	20	S206 AND ((H04B1/3816 OR H04B5/0025 OR H04B5/0056 OR H04B7/00).CPC.)	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:50

S216	5	(detect$3 sens$4) same (first adj2 air adj2 interface) same (second adj2 air adj2 interface) same (mobile pda cell cellular portable phone device iphone ipad) same (entity position location)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2016/06/10 10:53
S217	4	("20090017826" | "20100215021" | "20130080612" | "8238311").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:53
S218	0	("7295846").URPN.	USPAT	OR	OFF	2016/06/10 10:53
S219	9	("20020149515" | "20030120817" | "20040106408" | "20040202132" | "20040253984" | "5295180" | "6549773" | "6603977" | "6744753").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:53
S222	51	(phone mobile cell cellular pda ipad iphone) same ((short adj2 range) RFID Bluetooth) same (entity build$4 shopp$4 terminal POS) same (first adj air interface) and (second adj air adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:56
S223	47	S222 AND ((H04W88/06 OR H04W36/14 OR H04W36/22 OR H04W36/38 OR H04W8/245 OR H04W16/14 OR H04W52/0238 OR H04W52/243 OR H04W36/30 OR H04W28/18 OR H04W36/0022 OR H04W36/18 OR H04W48/18 OR H04W4/02 OR H04W76/025 OR H04W84/18 OR H04W88/04 OR H04W12/06 OR H04W12/08 OR H04W16/26 OR H04W36/00 OR H04W36/0005 OR H04W36/0016 OR H04W36/0088 OR H04W48/02 OR H04W48/10 OR H04W4/00 OR H04W4/26 OR H04W52/0225 OR H04W76/02 OR H04W76/023 OR H04W76/043 OR H04W76/048 OR H04W80/04 OR H04W88/021 OR H04W88/08 OR H04W88/10).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:56
S224	17	("20020059432" | "20020087674" | "20050090277" | "20050097165" | "20060083199" | "20070015535" | "20070015536" | "20070147399" | "20080037473" | "20080123661" | "20110317667" | "20120317194" | "20130007126" | "7613171" | "7991399" | "8023497" | "8037188").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57
S225	12	("20030125968" | "20070109956" | "20070179974" | "20110225281" | "20110291882" | "20130029710" | "20130107702" | "20140115654" | "20140169375" | "20140233479" | "20150036687" | "7215942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57
S226	11	("20030191826" | "20080220869" | "20110149853" | "20110149908" | "20110195713" | "20110270973" | "20120270551" | "20140010202" | "20140348029" | "20140355428" | "8391858").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57

S227	19	("20020068570" | "20030119489" | "20040008645" | "20040052238" | "20040082330" | "20040087307" | "20040137902" | "20040218566" | "20050053034" | "20050130660" | "20050227691" | "20050266845" | "20060203776" | "5659598" | "6424638" | "6768726" | "6909899" | "6950657" | "7299046").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57
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S229	26	S222 AND ((G06Q20/04 OR G06Q20/32 OR G06Q20/325 OR G06Q20/327 OR G06Q20/102 OR G06Q20/20 OR G06Q20/3223 OR G06Q20/3255 OR G06Q20/341 OR G06Q20/382 OR G06Q20/385 OR G06Q30/04).CPC.)	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57
S230	31	S222 AND ((H04L63/0272 OR H04L63/08 OR H04L45/22 OR H04L45/24 OR H04L45/28 OR H04L45/302 OR H04L67/12 OR H04L69/24 OR H04L63/18 OR H04L65/4084 OR H04L67/04 OR H04L67/104 OR H04L67/1091 OR H04L67/1093 OR H04L67/24 OR H04L69/08).CPC.)	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:58
S231	17	("20020059432" | "20020087674" | "20050090277" | "20050097165" | "20060083199" | "20070015535" | "20070015536" | "20070147399" | "20080037473" | "20080123661" | "20110317667" | "20120317194" | "20130007126" | "7613171" | "7991399" | "8023497" | "8037188").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:58
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S233	46	("20010005682" | "20010005840" | "20010034707" | "20020017561" | "20020029342" | "20020045457" | "20020052192" | "20020083000" | "20020107745" | "20020123967" | "20020132585" | "20020147913" | "20020153424" | "20020169001" | "20040004117" | "20040049454" | "20040064406" | "20040072592" | "20040117302" | "20040169637" | "20050033994" | "20050086171" | "20050087603" | "20050113070" | "20050127167" | "20050278222" | "20060003776" | "20060019678" | "20060025110" | "20060035624" | "20060043172" | "20060080232" | "20060091200" | "20060122902" |	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 11:02

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S234	9	("20050169227" | "20060104228" | "20060205406" | "20070232330" | "20110090880" | "6477162" | "7738427" | "7933602" | "8005061").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 11:02
S235	19	("20020068570" | "20030119489" | "20040008645" | "20040052238" | "20040082330" | "20040087307" | "20040137902" | "20040218566" | "20050053034" | "20050130660" | "20050227691" | "20050266845" | "20060203776" | "5659598" | "6424638" | "6768726" | "6909899" | "6950657" | "7299046").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 11:02
S236	4	("20100009675" | "20100279672" | "20130184024" | "20130308598").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 11:02
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S239	17	("20020059432" | "20020087674" | "20050090277" | "20050097165" | "20060083199" | "20070015535" | "20070015536" | "20070147399" | "20080037473" | "20080123661" | "20110317667" | "20120317194" | "20130007126" | "7613171" | "7991399" | "8023497" | "8037188").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 11:02
S240	39	("8646060" | "853206982" | "20130156218" | "20120214443" | "20110314539" | "7912629" | "782264482" | "20100265845" | "20100067591" | "20090213947" | "20090169070" | "20090153367" | "7539241" | "20090113543" | "20090023474" | "20080306868" | "20080227471" | "20080200166" | "20080167966" | "20080146148" | "20080140868" | "20080040274" | "20070285280" | "20070265984" | "20070250393" | "20070197261" | "20070184837" | "20070178935" | "20070167147" | "RE39736" | "7155199" | "713365982" | "20060172700" | "20060159260" | "20060145893" | "20060133633" |	US-PGPUB; USPAT	OR	OFF	2017/05/26 14:33

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S241	195	(proximity same (short adj range)) same entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/05/26 14:34
S242	22	(proximity same (short adj range)) same phone same entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/05/26 14:35
S243	1	15/251882	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 14:36
S244	1	15/251882 and ((first second) near4 interface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 14:37
S245	1	"09462411"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 14:39
S247	35	(first adj air adj interface) same (proximity (short adj2 range)) same (second adj air adj interface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 14:53
S248	43	("20040030601" | "20040170430" | "20060009234" | "20060133633" | "20060145893" | "20060159260" | "20060172700" | "20070167147" | "20070178935" | "20070184837" | "20070197261" | "20070250393" | "20070265984" | "20070285280" | "20080040274" | "20080140868" | "20080146148" | "20080167966" | "20080200166" | "20080227471" | "20080306868" | "20090023474" | "20090113543" | "20090153367" | "20090169070" | "20090213947" | "20100067591" | "20100265845" | "20110314539" | "20120214443" | "20130156218" | "6595929" | "6769607" | "6957107" | "7028897" | "7133659" | "7155199" | "7539241" | "7822644" | "7912629" | "8532069" | "8646060" | "RE39736").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/05/26 14:57

S249	1755	(unlicensed un-licensed) same licensed same frequencies	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 15:11
S250	156	(unlicensed un-licensed) same licensed same frequencies same (proximity (short adj range))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 15:11
S251	1	"09462411"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/05/30 11:18

5/30/2017 2:45:57 PM
C:\Users\mvu1\Documents\EAST\Workspaces\15251882_Proximity_Criterion.wsp

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	Peter D. Karabinis
				Art Unit	
				Examiner Name	
Sheet	A1	of	A2	Attorney Docket Number	9466-24TSCT

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US- 8,646,060 B1	02-04-2014	Ben Ayed	
	2.	US- 8,532,069 B2	09-10-2013	Balwani	
	3.	US- 2013/0156218 A1	06-20-2013	Annacone et al.	
	4.	US- 2012/0214443 A1	08-23-2012	Daigle	
	5.	US- 2011/0314539 A1	12-22-2011	Horton	
	6.	US- 7,912,629 B2	03-22-2011	Sutter et al.	
	7.	US- 7,822,644 B2	10-26-2010	Alberth, Jr. et al.	
	8.	US- 2010/0265845 A1	10-21-2010	Lampén	
	9.	US- 2010/0067591 A1	03-18-2010	Luo et al.	
	10.	US- 2009/0213947 A1	08-27-2009	Rao et al.	
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	13.	US- 7,539,241 B1	05-26-2009	Dick	
	14.	US- 2009/0113543 A1	04-30-2009	Adams et al.	
	15.	US- 2009/0023474 A1	01-22-2009	Luo et al.	
	16.	US- 2008/0306868 A1	12-11-2008	Robinson et al.	
	17.	US- 2008/0227471 A1	09-18-2008	Dankar et al.	
	18.	US- 2008/0200166 A1	08-21-2008	McCamon	
	19.	US- 2008/0167966 A1	07-10-2008	Ramsdale et al.	
	20.	US- 2008/0146148 A1	06-19-2008	Hulvey	
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	22.	US- 2008/0040274 A1	02-14-2008	Uzo	
	23.	US- 2007/0285280 A1	12-13-2007	Robinson et al.	
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	25.	US- 2007/0250393 A1	10-25-2007	Alberth, Jr. et al.	
	26.	US- 2007/0197261 A1	08-23-2007	Humbel	
	27.	US- 2007/0184837 A1	08-09-2007	Hohl et al.	
	28.	US- 2007/0178935 A1	08-02-2007	Shim et al.	
	29.	US- 2007/0167147 A1	07-19-2007	Krasner et al.	
	30.	US- RE39,736 E	07-17-2007	Morrill, Jr.	
	31.	US- 7,155,199 B2	12-26-2006	Zalewski et al.	
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	33.	US- 2006/0172700 A1	08-03-2006	Wu	
	34.	US- 2006/0159260 A1	07-20-2006	Pereira et al.	
	35.	US- 2006/0145893 A1	07-06-2006	Hassett	
	36.	US- 2006/0133633 A1	06-22-2006	Hyvonen et al.	
	37.	US- 7,028,897 B2	04-18-2006	Fernandes et al.	
	38.	US- 2006/0009234 A1	01-12-2006	Freer	
	39.	US- 6,957,107 B2	10-18-2005	Rogers et al.	
	40.	US- 2004/0170430 A1	09-02-2004	Gorokhov	
	41.	US- 6,769,607 B1	08-03-2004	Pitroda et al.	

Examiner Signature	/MICHAEL T VU/	Date Considered	05/30/2017

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.T.V/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	Peter D. Karabinis
				Art Unit	
				Examiner Name	
Sheet	A2	of	A2	Attorney Docket Number	9466-24TSCT

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	42.	US- 2004/0030601 A1	02-12-2004	Pond et al.	
	43.	US- 6,595,929 B2	07-22-2003	Stivoric et al.	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	44.	International Search Report and Written Opinion of the International Searching Authority, PCT Application No. PCT/US09/062792, 12-23-2009, 8 pp.	

Examiner Signature	/MICHAEL T VU/	Date Considered	05/30/2017

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.T.V/

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/251,882	08/30/2016	Peter D. Karabinis	9466-24TSCT	1249

20792 7590 06/30/2017
MYERS BIGEL, P.A.
PO BOX 37428
RALEIGH, NC 27627

EXAMINER
VU, MICHAEL T

ART UNIT	PAPER NUMBER
2641	

MAIL DATE	DELIVERY MODE
06/30/2017	PAPER

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.

PTOL-90A (Rev. 04/07)

Applicant-Initiated Interview Summary	Application No.	Applicant(s)	
	15/251,882	KARABINIS ET AL.	
	Examiner	Art Unit	
	MICHAEL T. VU	2641	

All participants (applicant, applicant's representative, PTO personnel):

(1) *MICHAEL T. VU*. (3)_____.

(2) *Vernon H Guthrie*. (4)_____.

Date of Interview: *27 June 2017*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☒ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☐ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☐102 ☐103 ☒Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *1, 5, and 11*.

Identification of prior art discussed: _____.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Applicant's representative discussed and explained the invention of claim 1 to get clarification and addition advisement. Furthermore, the applicant's representative discussed about the proposed amendments of claims 1, 5, and (11 newly added claim), in order to place the application in condition for allowance but it was not reached.

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/MICHAEL T VU/
Primary Examiner, Art Unit 2641

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:
1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Attorney Docket No. 9466-24TSCT PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Peter D. Karabinis et al. Confirmation No.: 1249
Application No.: 15/251,882 Examiner: Michael T. Vu
Filed: August 30, 2016 Group Art Unit: 2641
For: ***MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION***

Date: July 14, 2017

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

AMENDMENT AND INTERVIEW SUMMARY

Sir:

The present Amendment and Interview Summary are being filed to address the issues raised in the Office Action mailed June 5, 2017.

If any extension of time for the accompanying response or submission is required, please consider this a petition therefor. The Commissioner is hereby authorized to charge any additional fee, which may be required, or credit any refund, to our Deposit Account No. 50-0220.

In the Claims:

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

1. (Original) A method of operating a smartphone using a first air interface and a second air interface that differs from the first air interface, the method comprising:

communicating between the smartphone and an entity using the first air interface responsive to a proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over a short-range link between the smartphone and the entity;

refraining from communicating between the smartphone and the entity by the smartphone using the first air interface absent the proximity criterion having been satisfied between the smartphone and the entity; and

communicating between the smartphone and a base station using the second air interface to receive a communications service from the base station via the second air interface, wherein the smartphone receives the communications service from the base station via the second air interface but does not receive the communications service from the entity via the first air interface,

wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over the short-range link between the smartphone and the entity is performed concurrently with the communicating between the smartphone and the base station using the second air interface to receive a communications service from the base station via the second air interface.

2. (Original) The method according to Claim 1, further comprising detecting that the proximity criterion between the smartphone and the entity is satisfied.

3. (Original) The method according to Claim 2, wherein the detecting comprises:

detecting that a proximity criterion of less than 10 meters in distance is satisfied between the smartphone and the entity,

wherein the detecting is performed by the smartphone, by a device that is associated with the entity and/or by a system that is associated with the smartphone.

4. (Currently Amended) The method according to Claim 1,

wherein the entity comprises a first device,

wherein the information provided to the entity comprises first information, and

wherein the method further comprises ~~comprising~~:

selectively sending, by the smartphone, [[the]] second information ~~by the smartphone to another~~ to a second device and receiving, by the smartphone, ~~other~~ third information ~~by the smartphone~~ from the ~~other~~ second device responsive to the proximity criterion having been satisfied between the smartphone and the entity,

wherein the smartphone does not receive the communications service from the second device.

5. (Original) A smartphone comprising:

a processor that is configured to control the smartphone to perform operations comprising:

communicating between the smartphone and an entity using a first air interface responsive to a proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over a short-range link between the smartphone and the entity;

refraining from communicating between the smartphone and the entity by the smartphone using the first air interface absent the proximity criterion having been satisfied between the smartphone and the entity; and

communicating between the smartphone and a base station using a second air interface to receive a communications service from the base station via the second air interface, wherein the smartphone receives the communications service from the base station via the second air interface but does not receive the communications service from the entity via the first air interface,

wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over the short-range link between the smartphone and the entity is performed concurrently with the communicating between the smartphone and the base station using the second air interface to receive a communications service from the base station via the second air interface.

6. (Original) The smartphone according to Claim 5, wherein the operations further comprise detecting that the proximity criterion between the smartphone and the entity is satisfied.

7. (Original) The smartphone according to Claim 6, wherein the detecting comprises:

detecting that a proximity criterion of less than 10 meters in distance is satisfied between the smartphone and the entity,

wherein the detecting is performed by the smartphone, by a device that is associated with the entity and/or by a system that is associated with the smartphone.

8. (Currently Amended) The smartphone according to Claim 5,

wherein the entity comprises a first device,

wherein the information provided to the entity comprises first information, and

wherein the operations further comprise:

selectively sending, by the smartphone, [[the]] second information ~~by the smartphone to another~~ to a second device and receiving, by the smartphone, ~~other~~ third information ~~by the smartphone~~ from the ~~other~~ second device responsive to the proximity criterion having been satisfied between the smartphone and the entity,

wherein the smartphone does not receive the communications service from the second device.

9. (New) The method according to Claim 1, wherein the communicating, over the short-range link, between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied is performed over a point-to-point short-range link between the smartphone and the entity using a time division duplex protocol.

10. (New) The smartphone according to Claim 5, wherein the communicating, over the short-range link, between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied is performed over a point-to-point short-range link between the smartphone and the entity using a time division duplex protocol.

11. (New) The method of Claim 1, further comprising enabling a function by the smartphone in response to an identity, wherein the identity is communicated between the smartphone and the entity.

12. (New) The method of Claim 11, wherein the enabling the function is performed in response to comparing the identity with one or more identities.

13. (New) The method of Claim 11, further comprising establishing the short-range link between the smartphone and the entity in further response to the identity.

14. (New) The method of Claim 1, further comprising providing a notification at the smartphone in response to receiving a signal from the entity.

15. (New) A method of operating a smartphone using a first air interface and a second air interface that differs from the first air interface, the method comprising:

communicating between the smartphone and an entity using the first air interface responsive to a proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity;

refraining from communicating between the smartphone and the entity by the smartphone using the first air interface absent the proximity criterion having been satisfied between the smartphone and the entity; and

communicating, by the smartphone, using the second air interface to receive a communications service via the second air interface, wherein the smartphone receives the communications service via the second air interface but does not receive the communications service from the entity via the first air interface,

wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity is performed concurrently with the communicating by the smartphone using the second air interface to receive the communications service via the second air interface,

wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity is performed over a point-to-point short-range link between the smartphone and the entity using a time division duplex protocol, and

wherein the entity is not involved in providing the communications service.

16. (New) The method according to Claim 15, wherein the communicating by the smartphone using the second air interface to receive the communications service via the second air interface comprises communicating between the smartphone and a base station using the second air interface to receive the communications service from the base station via the second air interface.

17. (New) A smartphone comprising:

a processor that is configured to control the smartphone to perform operations comprising:

communicating between the smartphone and an entity using a first air interface responsive to a proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity;

refraining from communicating between the smartphone and the entity by the smartphone using the first air interface absent the proximity criterion having been satisfied between the smartphone and the entity; and

communicating, by the smartphone, using a second air interface to receive a communications service via the second air interface, wherein the smartphone receives the communications service via the second air interface but does not receive the communications service from the entity via the first air interface,

wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity is performed concurrently with the communicating by the smartphone using the second air interface to receive the communications service via the second air interface,

wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity is performed over a point-to-point short-range link between the smartphone and the entity using a time division duplex protocol, and

wherein the entity is not involved in providing the communications service.

18. (New) The smartphone according to Claim 17, wherein the communicating by the smartphone using the second air interface to receive the communications service via the second air interface comprises communicating between the smartphone and a base station using the second air interface to receive the communications service from the base station via the second air interface.

19. (New) A method of operating a smartphone to selectively provide information to an entity using a first air interface and receive a communications service from a wireless network using a second air interface that differs from the first air interface, the communications service being received exclusively from the wireless network and not from the entity, the method comprising:

providing, using the first air interface, the information to the entity by the smartphone;

concurrently with said providing, receiving by the smartphone, using the second air interface, the communications service exclusively from the wireless network and not from the entity, wherein the entity is independent of the communications service that is received from the wireless network;

receiving by the smartphone, using the second air interface, the communications service exclusively from the wireless network and not from the entity, while refraining, by the smartphone, from communicating to the entity by the first air interface; and

communicating by the smartphone, using the first air interface, to the entity, without receiving by the smartphone the communications service from the wireless network by the second air interface.

20. (New) The method of Claim 19, wherein:

the receiving by the smartphone the communications service exclusively from the wireless network and not from the entity is responsive to not satisfying a proximity criterion between the smartphone and the entity; and

the communicating by the smartphone to the entity is responsive to satisfying the proximity criterion between the smartphone and the entity.

21. (New) The method of Claim 19, further comprising establishing a communications link between the smartphone and the entity in response to an identity.

22. (New) The method of Claim 19, wherein using the first air interface comprises using a time division duplex protocol between the smartphone and the entity.

23. (New) The method of Claim 19, wherein:

the concurrently with said providing, receiving by the smartphone, using the second air interface, the communications service exclusively from the wireless network and not from the entity is performed over a first time interval;

the receiving by the smartphone the communications service exclusively from the wireless network and not from the entity is performed over a second time interval;

the communicating by the smartphone to the entity is performed over a third time interval; and

the first, second, and third time intervals are non-overlapping.

24. (New) A system comprising:

a smartphone comprising a processor that is configured to control the smartphone to perform operations comprising:

providing, using a first air interface, information to an entity by the smartphone;

concurrently with said providing, receiving by the smartphone, using a second air interface, a communications service exclusively from a wireless network and not from the entity, wherein the entity is independent of the communications service that is received from the wireless network;

responsive to not satisfying a proximity criterion between the smartphone and the entity, receiving by the smartphone, using the second air interface, the communications service exclusively from the wireless network and not from the entity, while refraining, by the smartphone, from communicating to the entity by the first air interface; and

responsive to satisfying the proximity criterion between the smartphone and the entity, communicating by the smartphone, using the first air interface, to the entity, without receiving by the smartphone the communications service from the wireless network by the second air interface.

25. (New) The system according to Claim 24, further comprising the entity.

26. (New) The system of Claim 24, wherein:

the receiving by the smartphone the communications service exclusively from the wireless network and not from the entity is responsive to not satisfying a proximity criterion between the smartphone and the entity; and

the communicating by the smartphone to the entity is responsive to satisfying the proximity criterion between the smartphone and the entity.

27. (New) The system of Claim 24, wherein:

the concurrently with said providing, receiving by the smartphone, using the second air interface, the communications service exclusively from the wireless network and not from the entity is performed over a first time interval;

the receiving by the smartphone the communications service exclusively from the wireless network and not from the entity is performed over a second time interval;

the communicating by the smartphone to the entity is performed over a third time interval; and

the first, second, and third time intervals are non-overlapping.

28. (New) The method of Claim 1,

wherein the entity comprises a first device to which the smartphone provides the information over the short-range link, and

wherein the method further comprises sending the information to a second device responsive to the proximity criterion having been satisfied between the smartphone and the entity.

REMARKS AND INTERVIEW SUMMARY

Applicant appreciates the examination of the present application by the Examiner in the Office Action of June 5, 2017 ("Office Action"). Applicant further appreciates the courtesies extended to Applicant's undersigned representative by Examiner Vu in the Telephone Interview of June 27, 2017.

During the Telephone Interview of June 27, 2017, possible amendments to independent Claims 1 and 5, as well as possible new claims, were discussed. The Examiner asserted that the following recitations of independent Claims 1 and 5 are not novel: (i) communicating between a smartphone and an entity using a first air interface responsive to a proximity criterion having been satisfied, (ii) refraining from communicating between the smartphone and the entity using the first air interface absent the proximity criterion having been satisfied, and (iii) communicating using a second air interface to receive a communications service by the smartphone, but not receiving the communications service from the entity via the first air interface. The Examiner did not wish to discuss the novelty and/or unobviousness of the final "wherein" recitation of independent Claims 1 and 5. Moreover, the Examiner recommended against amending the claims to recite that the recitation (i) is performed "independently of" the recitation (iii). No agreement was reached regarding the possible claim amendments, and the references cited by the Office Action were not discussed.

The above constitutes a complete summary of the Telephone Interview between the Examiner and the undersigned pursuant to MPEP § 713.04.

In response to the Office Action, Applicant has added new Claims 9-28 and has amended dependent Claims 4 and 8. For at least the following reasons, Applicant submits that the present application is in condition for allowance, and a Notice of Allowance is respectfully requested in due course.

<u>The Double Patenting Rejections Have Been Overcome</u>

Claims 1-8 stand rejected on the ground of non-statutory obviousness-type double patenting over Claims 1-4 of U.S. Patent No. 9,462,411. (*See* Office Action, pages 2 and 3.) As stated in the Office Action, "A timely filed terminal disclaimer...may be used to overcome an

actual or provisional rejection based on a nonstatutory double patenting ground...." (Office Action, page 3.)

In response, Applicant submits herewith a Terminal Disclaimer corresponding to U.S. Patent No. 9,462,411, thereby overcoming the double patenting rejections. Applicant has overcome the double patenting rejections by submitting the Terminal Disclaimer to expedite allowance of the present application without conceding the merits of the double patenting rejections.

The Section 103 Rejections Of Independent Claims 1 And 5 Should Be Withdrawn

Independent Claims 1 and 5 stand rejected under 35 U.S.C. § 103 over U.S. Patent Application Publication No. 2003/0220105 to Daigremont et al. ("Daigremont") in view of U.S. Patent Application Publication No. 2007/0243872 to Gallagher et al. ("Gallagher"). (*See* Office Action, pages 4-7.) Applicant acknowledges the Examiner's concern, as discussed in the Telephone Interview, that the above-discussed recitations (i)-(iii) of independent Claims 1 and 5 have no novelty. Without conceding that this is the case, to expedite allowance, Applicant will focus the following discussion on the subject matter of the final "wherein" recitation of independent Claims 1 and 5 that is not disclosed or suggested by the alleged combination of Daigremont and Gallagher.

The final "wherein" recitation of independent Claims 1 and 5 recites that the above-discussed recitations (i) and (iii) are performed concurrently. The Office Action concedes that the primary reference, Daigremont, does not teach this. Specifically, the Office Action states:

> Daigremont does **not** explicitly teach wherein the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity over the short-range link between the smartphone and the entity is **performed concurrently** with the communicating between the smartphone and the base station using the second air interface to receive a communications service from the base station via the second air interface.

(Office Action, page 5, *emphasis added.*)

A smartphone that concurrently performs the recitations (i) and (iii) of independent Claims 1 and 5 may function as a mobile wallet or a "digital wallet." A Wikipedia article entitled "digital wallet" is being cited concurrently in an IDS for the Examiner's reference. Three patent documents discussing wireless communications are also being cited in the IDS. A smartphone of the present application may (1) perform, for example, a mobile payment via the entity of independent Claims 1 and 5 concurrently with (2) receiving a communications service from a base station.

In contrast with **concurrently performing** the recitations **(i) and (iii)** of independent Claims 1 and 5, the secondary reference, Gallagher, appears to discuss using **either (a)** a licensed wireless communications session 106 **or (b)** an ICS access interface 110 to access a voice and data network 165. In particular, Gallagher states: "ICS architecture 100 enables user equipment (UE) 102 to access a voice and data network 165 via **either** a licensed wireless communications session 106 **or** an ICS access interface 110 through which components of the licensed wireless core network 165 are alternatively accessed." (Gallagher, paragraph [0032], *emphasis added.*) Figure 1 (provided below) of Gallagher illustrates this by showing that (a) the licensed wireless communications session 106 and (b) the ICS access interface 110 provide **two alternative paths** for accessing the network 165.

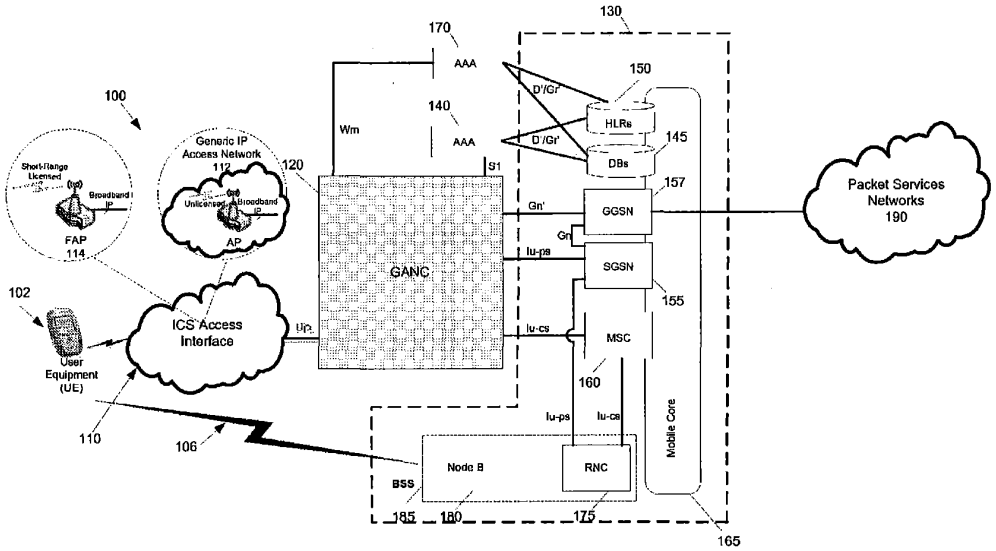

Figure 1

Accordingly, although the Office Action appears to rely on Gallagher for its discussion of licensed and unlicensed communications, Applicant submits that a **mutually exclusive selection** in Gallagher of either (a) the licensed wireless communications session 106 or (b) the ICS access interface 110 does **not** disclose or suggest the **concurrent performance** recited in independent Claims 1 and 5. (*See* Office Action, pages 5 and 6.)

For at least these reasons, Daigremont and Gallagher do not disclose or suggest concurrently performing the recitations (i) and (iii) of independent Claims 1 and 5. Independent Claims 1 and 5 are therefore patentable for at least these reasons.

Moreover, Applicant disagrees with the Office Action's conclusion that "it would have been obvious…to modify Daigremont, with Gallagher's teaching, in order to control the protocol exchange over a licensed-use and unlicensed-use wireless communications system, in which improved and efficient data services over a voice and data communication network…." (*See* Office Action, page 6.) As stated by Daigremont, "[a] particular object of [Daigremont's] invention is to provide a method for determining the position of a mobile terminal which provides a good accuracy." (Daigremont, paragraph [0007].) Applicant submits that it would not have been obvious to modify Daigremont's position-determination operations with Gallagher in an attempt to provide "efficient data services over a voice and data communication network." For example, it is not obvious how "efficient data services over a voice and data communication network" would be helpful in the context of Daigremont's position-determination operations.

Nor would modifying Daigremont with Gallagher appear to increase the efficiency of Daigremont's position-determination operations. Rather, adding Gallagher's ICS architecture 100 to Daigremont would appear to increase the complexity of hardware in Daigremont without increasing the efficiency of, or otherwise improving, Daigremont's position-determination operations. Specifically, two alternative paths would be provided, which would appear to complicate, but not improve, Daigremont's position-determination operations.

For at least these reasons, Applicant submits that it would not have been obvious to modify Daigremont with Gallagher as alleged by the Office Action. Independent Claims 1 and 5 are therefore patentable for at least these additional reasons.

New Independent Claims 15 And 17 Are Patentable

Applicant has submitted the above arguments, without amendments, for independent Claims 1 and 5 to highlight a recitation of independent Claims 1 and 5 that is not disclosed or suggested by the alleged combination of Daigremont and Gallagher. New independent Claims 15 and 17 include a similar recitation ("the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied…is performed concurrently with the communicating by the smartphone using the second air interface to receive the communications service…"), and are therefore patentable for at least similar reasons to those discussed above with respect to independent Claims 1 and 5. Moreover, Applicant has included additional recitations in new independent Claims 15 and 17 to further distinguish over the alleged combination of Daigremont and Gallagher.

For example, new independent Claims 15 and 17 further recite that "the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity is performed over a point-to-point short-range link between the smartphone and the entity using a time division duplex protocol." As an example, the present application states that "the first communications mode may comprise an air interface protocol…that may be based upon Time Division Duplex (TDD) operation wherein a common set of frequencies are used bi-directionally (at different times) to provide uplink and downlink communications…." (Present Application, paragraph [0029].) Moreover, FIG. 1 (provided below) of the present application illustrates a device 14 that has a point-to-point link with Entity 1/device 16.

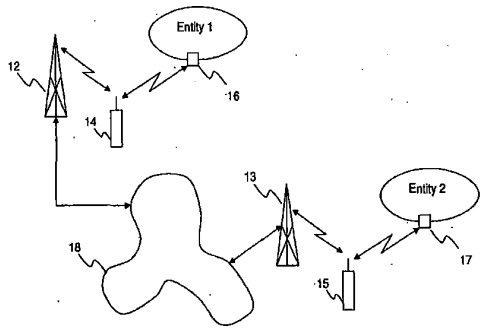

FIG. 1

In contrast, Daigremont and Gallagher do not appear to disclose or suggest that "the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity is performed over a point-to-point short-range link between the smartphone and the entity using a time division duplex protocol," as recited in new independent Claims 15 and 17. New independent Claims 15 and 17 are therefore patentable over Daigremont and Gallagher for at least this additional reason.

As another example, new independent Claims 15 and 17 recite that "the entity is not involved in providing the communications service" that is received via the second air interface. For example, various portions of the present application state that the entity "is not involved in providing a communications service to the first and/or second device." (Present Application, Abstract and paragraphs [0037] and [0048].)

In contrast, as discussed above regarding independent Claims 1 and 5, Gallagher's (a) licensed wireless communications session 106 and (b) ICS access interface 110 provide two alternative paths for accessing the voice and data network 165. Accordingly, whichever one of (a) the licensed wireless communications session 106 and (b) the ICS access interface 110 that is used by the UE 102 in Gallagher **will be involved** in providing the service of the voice and data network 165 to the UE 102. Gallagher thus provides the **opposite of** the recitation in new independent Claims 15 and 17 that "the entity is **not involved** in providing the communications service" that is received via the second air interface. (*Emphasis added.*) In view of this opposite teaching of Gallagher, it would **not** have been **obvious to modify Daigremont with Gallagher** in an attempt to supply this recitation of new independent Claims 15 and 17. Applicant submits that new independent Claims 15 and 17 are patentable over Daigremont and Gallagher for at least this further reason.

New Independent Claims 19 And 24 Are Patentable

New independent Claims 19 and 24 include a similar recitation ("concurrently with said providing, receiving by the smartphone, using the second air interface, the communications service exclusively from the wireless network") to that which is discussed above for independent Claims 1 and 5, and are therefore patentable over Daigremont and Gallagher for at least similar

reasons to those discussed above with respect to independent Claims 1 and 5. Moreover, Applicant has included additional recitations in new independent Claims 19 and 24 to further distinguish over the alleged combination of Daigremont and Gallagher.

For example, new independent Claims 19 and 24 further recite that "the entity is independent of the communications service that is received from the wireless network." As an example, the present application states, referring to FIG. 3, that "the entity can be independent of the communications service provided to the first and second device [as] shown at 36." (Present Application, paragraph [0049].)

In contrast, as discussed above regarding independent Claims 1, 5, 15, and 17, Gallagher's (a) licensed wireless communications session 106 and (b) ICS access interface 110 provide two alternative paths for accessing the voice and data network 165. Accordingly, whichever one of (a) the licensed wireless communications session 106 and (b) the ICS access interface 110 that is used by the UE 102 in Gallagher **will provide** the service of the voice and data network 165 to the UE 102. Gallagher thus discusses the **opposite of** the recitation in new independent Claims 19 and 24 that "the entity is **independent of** the communications service that is received from the wireless network." (*Emphasis added.*) In view of this opposite teaching of Gallagher, it would **not** have been **obvious to modify Daigremont with Gallagher** in an attempt to supply this recitation of new independent Claims 19 and 24. Applicant submits that new independent Claims 19 and 24 are patentable over Daigremont and Gallagher for at least this additional reason.

<u>The Dependent Claims Are Patentable</u>

The dependent claims are patentable at least per the patentability of the independent claims from which they depend. Moreover, the dependent claims include separate bases for patentability.

For example, amended Claims 4 and 8 recite "selectively sending, by the smartphone, second information to a second device and receiving, by the smartphone, third information from the second device responsive to the proximity criterion having been satisfied between the smartphone and the entity, wherein the smartphone does not receive the communications service from the second device." As an example, the present application states:

> [0032] In further embodiments, responsive to the comparison of position, the value of the quantity/parameter and/or the event satisfying the threshold criterion, the wireless communications device may be configured to send information (automatically or upon user command) selectively to one or more other devices that, according to some embodiments, may be predetermined other devices. In still other embodiments, responsive to the comparison of position, the value of the quantity/parameter and/or the event satisfying the threshold criterion, the wireless communications device may be configured to receive information (automatically or upon user command) selectively from one or more other devices that, according to some embodiments, may be predetermined other devices.

(Present Application, paragraph [0032].) For example, "if the two users at devices 14 and 15 at respective areas 22 and 24 want to sample music, games and/or even play a game between each other, their respective device can be provisioned for such sampling as long as they stay within the proximity criteria set for each of the respective devices. Once one or the other device goes beyond the respective proximity criterion, the mode and/or function enabling the sampling will be disabled at one or both devices." (Present Application, paragraph [0043].) Moreover, rather than itself providing the communications service to the smartphone, the second device may receive the communications service from the same communications system (e.g., the communications system 18 to which the smartphone 14 and the second device 15 are linked via respective base stations 12 and 13) that provides the communications service to the smartphone. (*See, e.g.,* Present Application, paragraphs [0037], [0040], and [0049].)

Applicant submits that amended Claims 4 and 8 are separately patentable for at least the reason that the alleged combination of Daigremont and Gallagher does not appear to disclose or suggest "selectively sending, by the smartphone, second information to a second device and receiving, by the smartphone, third information from the second device responsive to the proximity criterion having been satisfied between the smartphone and the entity, wherein the smartphone does not receive the communications service from the second device," as recited in amended Claims 4 and 8.

In another example, new Claims 9 and 10 depend from independent Claims 1 and 5, respectively, and further recite that "the communicating, over the short-range link, between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied is performed over a point-to-point short-range link between the smartphone and

the entity using a time division duplex protocol." This is similar to the recitation in new independent Claims 15 and 17 that "the communicating between the smartphone and the entity using the first air interface responsive to the proximity criterion having been satisfied between the smartphone and the entity to provide information to the entity is performed over a point-to-point short-range link between the smartphone and the entity using a time division duplex protocol." Applicant thus submits that new dependent Claims 9 and 10 are separately patentable for at least similar reasons to those discussed above with respect to the patentability of new independent Claims 15 and 17 in view of this recitation.

As another example, new Claim 11 depends from independent Claim 1 and further recites "enabling a function by the smartphone in response to an identity, wherein the identity is communicated between the smartphone and the entity." For example, the present application discusses selectively enabling a function if a match is found upon detecting and comparing an identity. (*See* Present Application, paragraph [0021].) The present application also discusses that a wireless communications device may be configured to keep the function enabled while a signal that includes the identity is being radiated by a low-power radiator. (*See* Present Application, paragraph [0022].)

In contrast, Fig. 2 (provided below) of Daigremont illustrates enabling detection of entry of a mobile terminal into the zone of coverage of a localization point, and transmitting an identifier of the localization point that has detected the mobile terminal. (*See* Daigremont, paragraphs [0024] and [0042]-[0046].)

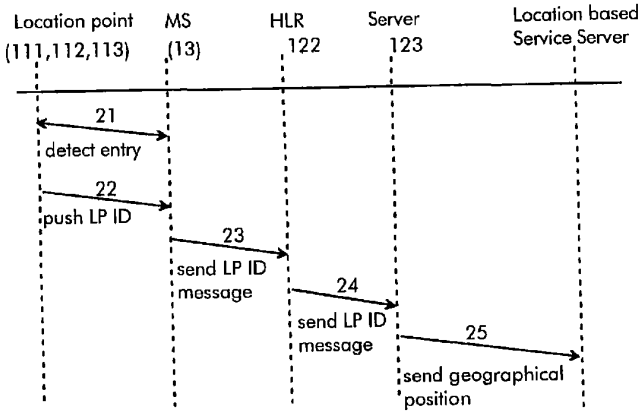

Fig. 2

Applicant submits that merely **enabling detection of entry of the mobile terminal into the zone of coverage** of the localization point does **not** disclose or suggest **enabling a function of the mobile terminal**. **Nor** does Daigremont disclose or suggest that such enablement is **in response to an identity**. Rather, Daigremont appears to discuss transmitting (Step 22) the identifier of the localization point in response to detecting (Step 21) entry of the mobile terminal. For at least these reasons, Daigremont does not appear to disclose or suggest "enabling a function by the smartphone in response to an identity, wherein the identity is communicated between the smartphone and the entity," as recited in new Claim 11. New Claim 11 is therefore separately patentable for at least these reasons.

In a further example, new Claim 13 depends from new Claim 11 and further recites "establishing the short-range link between the smartphone and the entity in further response to the identity." As an example, the present application discusses "selectively establish[ing] a communications link, that may, in some embodiments, be a short-range communications link" upon inserting an identity such as a number. (*See* Present Application, paragraph [0034].) Applicant submits that Daigremont appears to respond to the identifier of the localization point by sending (Step 25) a geographical position of the mobile terminal to a location-based service server, which does not disclose or suggest "establishing the short-range link between the smartphone and the entity in further response to the identity," as recited in new Claim 13. New Claim 13 is therefore separately patentable for at least this reason.

Moreover, new Claim 21 depends from new independent Claim 19 and further recites "establishing a communications link between the smartphone and the entity in response to the identity." New Claim 21 is therefore separately patentable for at least similar reasons to those discussed above with respect to new Claim 13.

As another example, new Claim 14 depends from independent Claim 1 and further recites "providing a notification at the smartphone in response to receiving a signal from the entity." For example, when a wireless communications device "is able to sense the signal that is being radiated by the low-power radiator, the wireless communications device may be configured to provide a notification (e.g., a sound, a vibration, a light and/or an alpha-numeric display, etc.). Responsive to the notification, a user of the wireless communications device may instruct (for

example, manually or via voice command) the wireless communications device to enable the pay toll function." (Present Application, paragraph [0023].)

In contrast, Daigremont does not appear to provide such a notification at its mobile terminal. For example, Daigremont does not appear to disclose or suggest notifying the mobile terminal upon receiving (Step 22) the identifier of the localization point. Rather, the mobile terminal merely appears to relay (Step 23) the identifier. For at least this reason, Daigremont does not appear to disclose or suggest "providing a notification at the smartphone in response to receiving a signal from the entity," as recited in new Claim 14. New Claim 14 is therefore separately patentable for at least this reason.

In an additional example, new Claims 23 and 27 depend from new independent Claims 19 and 24, respectively, and further recite:

> the concurrently with said providing, receiving by the smartphone, using the second air interface, the communications service exclusively from the wireless network and not from the entity is performed over a first time interval;
> the receiving by the smartphone the communications service exclusively from the wireless network and not from the entity is performed over a second time interval;
> the communicating by the smartphone to the entity is performed over a third time interval; and
> the first, second, and third time intervals are non-overlapping.

The present application states: "It would, for example, be desirable to have a mobile wireless device act as a 'wallet' (over and above other functions) only when it is time to pay for an item and not act as a wallet when there is no need to do so." (Present Application, paragraph [0003].) Moreover, FIG. 2 of the present application illustrates that "the first device 14 can traverse a path 23." (Present Application, paragraph [0043].) While traversing the path 23, the device 14 enters different areas at different times. As an example: "The entry of the first device 14 within area 22 can selectively enable a mode and/or a function at device 14." (Present Application, paragraph [0043].) "Once one or the other device goes beyond the respective proximity criterion, the mode and/or function…will be disabled…." (Present Application, paragraph [0043].) Applicant submits that a person skilled in the art would understand that the different positions of the device

14 along the path 23 that correspond to different modes/functions also correspond to different points in time.

In contrast with the different recitations of Claims 23 and 27 that are performed by the smartphone over first, second, and third time intervals, Fig. 2 of Daigremont merely appears to illustrate that the mobile terminal receives (Step 22) and relays (Step 23) the identifier of the localization point at first and second times, respectively. New Claims 23 and 27 are therefore separately patentable for at least this reason.

In another example, new Claim 28 depends from independent Claim 1 and further recites sending the information, which the smartphone provides to the entity over the short-range link, "to a second device responsive to the proximity criterion having been satisfied between the smartphone and the entity." Original Claim 4 included similar subject matter.

In contrast, Fig. 2 (provided above) of Daigremont does not appear to illustrate sending information, which the mobile terminal provides (1) over a short-range link to a first device, to (2) a second device responsive to satisfying a proximity criterion. For example, referring to Figs. 1 and 2 of Daigremont, the identifier that propagates through cellular communication network 12 does not appear to be information that the mobile terminal provides over a short-range link to a localization point 111, 112, 113. Rather, the mobile terminal receives the identifier from a localization point 111, 112, 113. New Claim 28 is therefore separately patentable for at least the reason that Figs. 1 and 2 of Daigremont do not appear to disclose or suggest the subject matter of new Claim 28.

As each of the remaining dependent claims depends from a base claim that is believed to be in condition for allowance, Applicant does not believe that it is necessary to argue the allowability of each of these claims individually. Applicant does not necessarily concur with the interpretation of these claims, or with the bases for rejection set forth in the Office Action. Applicant therefore reserves the right to address the patentability of these claims individually as necessary in the future.

CONCLUSION

In view of the above remarks, all of the claims are now in condition for allowance, which is respectfully requested. If, in the opinion of the Examiner, a telephone conference would expedite the examination of this matter, the Examiner is invited to call the undersigned attorney at (919) 854-1400.

Respectfully submitted,

Vernon H. Guthrie
Registration No. 63,798
Attorney for Applicant

Customer Number 20792
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Raleigh, NC 27627
919-854-1400
919-854-1401 (Fax)

Attorney Docket No. 9466-24TSCT PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: KARABINIS et al.
Application No.: 15/251,882
Filing Date: August 30, 2016
For: MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

Confirmation No.: 1249
Group Art Unit: 2641
Examiner: Michael T. Vu

Date: July 14, 2017

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

INFORMATION DISCLOSURE STATEMENT COVER LETTER

Sir:

Attached is an Information Disclosure Statement listing of documents, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with 37 C.F.R. § 1.98(a)(2)(ii).

☐ In accordance with **37 CFR 1.97(b)**, the information disclosure statement is being filed:

☐ (1) within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);

☐ (2) within three months of the date of entry of the national stage as set forth in §1.491 in an international application;

☐ (3) before the mailing of a first Office Action on the merits; or

☐ (4) before the mailing of a first Office Action after the filing of a request for continued examination under §1.114.

☒ In accordance with **37 CFR 1.97(c)**, the information disclosure statement is being filed after the period specified in 37 CFR 1.97(b) above, but before the mailing date of any of a final action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, and is accompanied by **one** of the following:

☐ (1) The statement specified under **37 CFR 1.97(e)**, as follows:

☐ Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; **or**

☐ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement; **or**

☒ (2) The fee set forth in §1.17(p);

☐ In accordance with **37 CFR 1.97(d)**, the information disclosure statement is being filed after the period specified in 37 CFR 1.97(c) above, but on or before payment of the issue fee, and is accompanied by **both** of the following:

☐ (1) The statement specified under **37 CFR 1.97(e)**, as follows:

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; **or**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement; **and**

☐ (2) The fee set forth in §1.17(p);

In accordance with **37 CFR 1.97(g)**, the information disclosure statement shall not be construed as a representation that a search has been made.

In accordance with **37 CFR 1.97(h)**, the information disclosure statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56(b).

☒ The Director is hereby authorized to charge the fee specified in 37 C.F.R. § 1.17(p), and any fee deficiency or credit any overpayment, to Deposit Account No. 50-0220;

☒ The Director is hereby authorized to charge credit card; or

☐ No fee is believed due. However, the Director is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,

Vernon H. Guthrie
Registration No. 63,798
Attorney for Applicant(s)

Customer Number 20792
Myers Bigel, P.A.
P.O. Box 37428, Raleigh, NC 27627
919-854-1400
919-854-1401 (Fax)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				July 14, 2017	
				Application Number	15/251,882
				Filing Date	August 30, 2016
				First Named Inventor	Peter D. KARABINIS
				Art Unit	2641
				Examiner Name	Michael T. Vu
Sheet	B1	of	B1	Attorney Docket Number	9466-24TSCT

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US- 2006/0194538A1	08-31-2006	Palin et al.	
	2.	US- 8,463,238 B2	06-11-2013	Forstall et al.	
	3.	US- 8,023,580 B2	09-20-2011	Bremer	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code, Number, Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	4.	"Digital wallet" *Wikipedia* (4 pages)(Printed on July 10, 2017)	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Electronic Patent Application Fee Transmittal

Application Number:	15251882
Filing Date:	30-Aug-2016
Title of Invention:	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
First Named Inventor/Applicant Name:	Peter D. Karabinis
Filer:	Vernon H. Guthrie Jr./Meredith Downing
Attorney Docket Number:	9466-24TSCT

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	8	40	320
INDEPENDENT CLAIMS IN EXCESS OF 3	2201	3	210	630
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	2806	1	90	90
STATUTORY OR TERMINAL DISCLAIMER	2814	1	160	160
		Total in USD ($)		**1200**

Electronic Acknowledgement Receipt	
EFS ID:	29789872
Application Number:	15251882
International Application Number:	
Confirmation Number:	1249
Title of Invention:	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
First Named Inventor/Applicant Name:	Peter D. Karabinis
Customer Number:	20792
Filer:	Vernon H. Guthrie Jr./Meredith Downing
Filer Authorized By:	Vernon H. Guthrie Jr.
Attorney Docket Number:	9466-24TSCT
Receipt Date:	14-JUL-2017
Filing Date:	30-AUG-2016
Time Stamp:	16:12:49
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1200
RAM confirmation Number	071717INTEFSW16152000
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		9466-24TSCT_Amendment.pdf	2306798 b69a5c50132762ab4aed9aee9f1483bbbc67d762	yes	24

Multipart Description/PDF files in .zip description

Document Description	Start	End
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	11
Applicant summary of interview with examiner	12	12
Applicant Arguments/Remarks Made in an Amendment	13	24

Warnings:

Information:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
2		9466-24TSCT_IDS.pdf	290171 2b26d8428a030d936e6b3b038453a143926e7a08	yes	3

Multipart Description/PDF files in .zip description

Document Description	Start	End
Transmittal Letter	1	2
Information Disclosure Statement (IDS) Form (SB08)	3	3

Warnings:

Information:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
3	Non Patent Literature	9466-24TSCT_NPL.pdf	467833 d62d3059ab691bd1a9e3ccd553d8a8d8097d2744	no	4

Warnings:

Information:

4	Fee Worksheet (SB06)	fee-info.pdf	35367 e71e4834ef6da014998eac853aec77cc4f9fc1bd	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	3100169		

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.

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 OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT**
Application Number	15251882
Filing Date	30-Aug-2016
First Named Inventor	Peter Karabinis
Attorney Docket Number	9466-24TSCT
Title of Invention	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

☒ 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
TELCOM VENTURES, LLC	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)

9462411

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.

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 63798

○ 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	/Vernon H. Guthrie Jr./
Name	Vernon H. Guthrie Jr.

*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.

Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 15251882

Filing Date: 30-Aug-2016

Applicant/Patent under Reexamination: Karabinis

Electronic Terminal Disclaimer filed on July 14, 2017

☒ 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

Electronic Acknowledgement Receipt

EFS ID:	29789988
Application Number:	15251882
International Application Number:	
Confirmation Number:	1249
Title of Invention:	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
First Named Inventor/Applicant Name:	Peter D. Karabinis
Customer Number:	20792
Filer:	Vernon H. Guthrie Jr./Meredith Downing
Filer Authorized By:	Vernon H. Guthrie Jr.
Attorney Docket Number:	9466-24TSCT
Receipt Date:	14-JUL-2017
Filing Date:	30-AUG-2016
Time Stamp:	16:17:48
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	32108 a06a3fe669e606e4a50d14e8d7dc13a06b3dc93b	no	2

Warnings:

Information:	
Total Files Size (in bytes):	32108

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.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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 15/251,882	Filing Date 08/30/2016	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

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

APPLICATION AS AMENDED – PART II

AMENDMENT

07/14/2017	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 28	Minus	** 20	= 8	X $40 =	320
Independent (37 CFR 1.16(h))	* 6	Minus	***3	= 3	X $210 =	630
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	**950**

AMENDMENT

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SLIE
KAREN VESTAL

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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NOTICE OF ALLOWANCE AND FEE(S) DUE

20792 7590 10/18/2017
MYERS BIGEL, P.A.
PO BOX 37428
RALEIGH, NC 27627

EXAMINER
VU, MICHAEL T

ART UNIT	PAPER NUMBER
2641	

DATE MAILED: 10/18/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/251,882	08/30/2016	Peter D. Karabinis	9466-24TSCT	1249

TITLE OF INVENTION: MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	01/18/2018

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), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

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

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

20792 7590 10/18/2017
MYERS BIGEL, P.A.
PO BOX 37428
RALEIGH, NC 27627

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

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/251,882	08/30/2016	Peter D. Karabinis	9466-24TSCT	1249

TITLE OF INVENTION: MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	01/18/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
VU, MICHAEL T	2641	455-456300

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

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

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.
(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

4a. The following fee(s) are submitted:
❑ Issue Fee
❑ Publication Fee (No small entity discount permitted)
❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
❑ A check is enclosed.
❑ Payment by credit card. Form PTO-2038 is attached.
❑ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
❑ Applicant certifying micro entity status. See 37 CFR 1.29 — NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
❑ Applicant asserting small entity status. See 37 CFR 1.27 — NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
❑ Applicant changing to regular undiscounted fee status. — NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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. _____

PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/251,882	08/30/2016	Peter D. Karabinis	9466-24TSCT	1249

20792 7590 10/18/2017
MYERS BIGEL, P.A.
PO BOX 37428
RALEIGH, NC 27627

EXAMINER
VU, MICHAEL T

ART UNIT	PAPER NUMBER
2641	

DATE MAILED: 10/18/2017

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

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

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

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

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

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

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

Privacy Act Statement

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

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

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

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	15/251,882	KARABINIS ET AL.	
	Examiner	Art Unit	
	MICHAEL T. VU	2641	

All participants (applicant, applicant's representative, PTO personnel):

(1) *MICHAEL T. VU*. (3)_____.

(2) *Vernon H,. Guthrie*. (4)_____.

Date of Interview: *12 October 2017*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☒ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☐ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☐102 ☐103 ☒Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *19-27*.

Identification of prior art discussed: _____.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Applicant's representative authorized entry of an Examiner's Amendment to cancel claims 19-27 by Examiner's Amendment. In order to expedite prosecution of the application in condition for allowance.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	

Notice of Allowability	Application No. 15/251,882	Applicant(s) KARABINIS ET AL.	
	Examiner MICHAEL T. VU	Art Unit 2641	AIA (First Inventor to File) Status No

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

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

1. ☒ This communication is responsive to *07/14/2017*.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on_____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are *1-18 and 28*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

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

   * Certified copies not received: _____.

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

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

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☒ Interview Summary (PTO-413), Paper No./Mail Date *10/12/2017* .
5. ☒ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/MICHAEL T VU/
Primary Examiner, Art Unit 2641

DETAILED ACTION

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

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 07/14/2017 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Terminal Disclaimer

3. The terminal disclaimer filed on 07/14/2017 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of 11/04/2008 (see Date of Continuation on BIB) has been reviewed and is accepted. The terminal disclaimer has been approved on 07/14/2017.

EXAMINER'S AMENDMENT

4. 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.

5. Authorization for this examiner's amendment was given in a telephone interview with Vernon H. Guthrie on March 26, 2012.

Please amend the applicant as follows:

6. **Claims 19-27 have been cancelled.**

Allowable Subject Matter

7. **Claims 1-18, 28** are allowed.

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

With respect to claims 1, 5, 15, and 17, are allowed in view of Applicant's arguments or remarks filed on 07/14/2017.

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

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael T. Vu whose telephone number is (571) 272-8131. The examiner can normally be reached on 8:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles N. Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

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).

/MICHAEL T VU/
Primary Examiner, Art Unit 2641

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	15/251,882	KARABINIS ET AL.	
	Examiner	Art Unit	
	MICHAEL T. VU	2641	

All participants (applicant, applicant's representative, PTO personnel):

(1) *MICHAEL T. VU*. (3)_____.

(2) *Vernon H,. Guthrie*. (4)_____.

Date of Interview: *12 October 2017*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☒ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☐ No.
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(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *19-27*.

Identification of prior art discussed: _____.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

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Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				July 14, 2017	
				Application Number	15/251,882
				Filing Date	August 30, 2016
				First Named Inventor	Peter D. KARABINIS
				Art Unit	2641
				Examiner Name	Michael T. Vu
Sheet	B1	of	B1	Attorney Docket Number	9466-24TSCT

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US- 2006/0194538A1	08-31-2006	Palin et al.	
	2.	US- 8,463,238 B2	06-11-2013	Forstall et al.	
	3.	US- 8,023,580 B2	09-20-2011	Bremer	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code, Number, Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	4.	"Digital wallet" *Wikipedia* (4 pages)(Printed on July 10, 2017)	

Examiner Signature	/MICHAEL T VU/	Date Considered	10/12/2017

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.T.V/

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15251882	KARABINIS ET AL.
	Examiner	**Art Unit**
	MICHAEL T VU	2641

CPC- SEARCHED		
Symbol	**Date**	**Examiner**
H04W 48/04	10/12/2017	MTV

CPC COMBINATION SETS - SEARCHED		
Symbol	**Date**	**Examiner**
H04W12/06 OR H04W4/023 OR H04W64/00 OR H04W88/02 OR H04W4/008 OR H04W4/025 OR H04W4/22 OR H04W88/06 OR H04W4/02 OR H04W12/08 OR H04W84/12 OR H04W12/04 OR H04W4/001 OR H04W4/005	10/12/2017	MTV

US CLASSIFICATION SEARCHED			
Class	**Subclass**	**Date**	**Examiner**
455	456.1-456.5	10/12/2017	MTV

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
Inventor Name: Peter Karabinis	10/12/2017	MTV
Assignee: Telcom Ventures	10/12/2017	MTV
Double Patent Rejected	10/12/2017	MTV
Update EAST Searched System	10/12/2017	MTV

INTERFERENCE SEARCH			
US Class/ CPC Symbol	**US Subclass / CPC Group**	**Date**	**Examiner**
Interference	Text Searched	10/12/2017	MTV

	/MICHAEL T VU/ Primary Examiner.Art Unit 2641

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	325	(first adj2 interfac$3) and (second adj3 interfac$3) and (entit$2 server) and (proximit$3 (short adj3 range)) and (refrain$3 stop$3) with (phone mobile iphone ipad pda cellular) and ((base adj2 station) (access point))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/10/12 16:24
L3	168	2 AND ((H04W4/02 OR H04W4/025 OR H04W4/008 OR H04W8/24 OR H04W24/10 OR H04W4/023 OR H04W64/00 OR H04W76/02 OR H04W12/06 OR H04W12/08 OR H04W4/006 OR H04W52/0212 OR H04W52/04 OR H04W64/003 OR H04W64/006 OR H04W8/18 OR H04W4/005 OR H04W4/028 OR H04W36/14 OR H04W40/02 OR H04W4/021 OR H04W4/16 OR H04W84/18 OR H04W88/06 OR H04W24/04 OR H04W28/0231 OR H04W36/30 OR H04W36/32 OR H04W4/001 OR H04W4/046 OR H04W4/18 OR H04W4/206 OR H04W76/045 OR H04W8/183 OR H04W16/18 OR H04W16/26 OR H04W28/10 OR H04W36/0061 OR H04W36/0088 OR H04W36/20 OR H04W36/24 OR H04W40/005 OR H04W48/08 OR H04W48/16 OR H04W48/18 OR H04W4/003 OR H04W4/027 OR H04W4/043 OR H04W4/185 OR H04W4/22 OR H04W72/04 OR H04W72/1215 OR H04W76/025 OR H04W76/026 OR H04W76/048 OR H04W84/005 OR H04W84/12 OR H04W88/02 OR H04W88/08 OR H04W88/16 OR H04W92/02 OR H04W92/18).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/10/12 16:25
L4	4	("20020086671" | "20050202849" | "5924042" | "6445918").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:25
L5	11	("20020169886" | "20030026213" | "20030078002" | "20030078062" | "6285889" | "6842460" | "6888811" | "6909721" | "7039033" | "7346369" | "7415270").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:25
L6	53	("20010022615" | "20020000916" | "20040253923" | "20060200560" | "20080004994" | "20090201850" | "20100267375" | "20110022533" | "20110078089" | "20120036198" | "20130106893" | "20130273938" | "20140025746" | "20140211691" |	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:26

		"5223844" | "5400020" | "5414432" | "5691980" | "5884216" | "5917632" | "5953650" | "5959577" | "5969673" | "6011510" | "6052597" | "6085090" | "6240365" | "6255989" | "6311069" | "6360102" | "6466788" | "6505048" | "6526335" | "6574484" | "6674860" | "6711399" | "6748318" | "6748320" | "6853911" | "6904359" | "7085629" | "7212829" | "7242926" | "7370079" | "7623033" | "7876239" | "8239169" | "8299920" | "8447882" | "8560274" | "8725165" | "8755823" | "8766797").PN.				
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		"20140052832" | "20140067609" | "20140116569" | "20140184386" | "20140196140" | "20140211691" | "20140222711" | "20140244834" | "20140258168" | "20140341227" | "20150057497" | "20150102903" | "20150120045" | "20150139124" | "20150148140" | "20150222517" | "20150248801" | "20150349917" | "20160224929" | "5223844" | "5400020" | "5400246" | "5414432" | "5430730" | "5515419" | "5673304" | "5691980" | "5799252" | "5854994" | "5884216" | "5917632" | "5953650" | "5959577" | "5969673" | "6011510" | "6052597" | "6085090" | "6240365" | "6255989" | "6311069" | "6334047" | "6360102" | "6466788" | "6483433" | "6505048" | "6526335" | "6574484" | "6662016" | "6674860" | "6711399" | "6748318" | "6748320" | "6853911" | "6859831" | "6904359" | "6970183" | "6985750" | "7035240" | "7085629" | "7165102" | "7183924" | "7212829" | "7221668" | "7242926" | "7370079" | "7529597" | "7539622" | "7545326" | "7623033" | "7876239" | "8000276" | "8239169" | "8299920" | "8447882" | "8560274" | "8688101" | "8725165" | "8755823" | "8766797" | "8989053" | "8994514" | "9163962" | "9260244").PN.				
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L9	75	("20020007306" | "20020008639" | "20020084917" | "20020087401" | "20020099574" | "20020109610" | "20030014315" | "20040181496" | "20040226993" | "20040252034" | "20040260605" | "20050168352" | "20050228583" | "20050229451" | "20050258632" | "20050280555" | "20060010046" | "20060072010" | "20060095344" | "20060116972" | "20060143080" | "20060170566" | "20060212344" | "20060250278" | "20060260166" | "20060267799" | "20060283941" | "20070050248" | "20070129974" | "20070191026" | "20070257818" | "20070290888" | "20080030373" | "20080033824" | "20080136674" | "20080291054" | "20080308628" | "20090067846" | "20090077100" | "20090204319" | "20090313104" | "20100029268" | "20100064025" | "20100070365" | "20100191584" | "20100282836" | "20110004507" | "20110060653" | "20110082746" | "20110320259" | "20120092190" | "20120095791" | "20130103460" | "20150066607" | "5710743" | "6266609" | "6285297" |	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:26

		"6334090" | "6386450" | "6411937" | "6587835" | "6647269" | "6885311" | "6912507" | "7014355" | "7147154" | "7188154" | "7224274" | "7309009" | "7342510" | "8330624" | "8423431" | "8489112" | "8600800" | "9159080").PN.				
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L11	12	("20020136361" | "20030012344" | "20030086538" | "20030148757" | "20060128357" | "20070038476" | "20080063153" | "20090136006" | "20090291663" | "20100262668" | "20100329443" | "5864755").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:27
L12	42	("20050025058" | "20070294395" | "20100097925" | "20100142368" | "20120195311" | "20130223207" | "20130272374" | "20130344872" | "20140051398" | "20140095728" | "20140233412" | "20140247735" | "20140293829" | "20140325258" | "20150189569" | "20150215947" | "4972455" | "4993059" | "5146486" | "5185779" | "5327478" | "5535432" | "5608684" | "5794159" | "5907815" | "6144859" | "6208875" | "6295197" | "6298243" | "6463462" | "6664760" | "6960998" | "6963757" | "7088966" | "7617369" | "7639157" | "7995466" | "8203934" | "8566410" | "8582631" | "8639832" | "8688180").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:27
L13	25	("20050007971" | "20070055634" | "20100306408" | "20110305183" | "20120170502" | "20120314630" | "20130194999" | "20130294318" | "20140064177" | "20140286224" | "20140355508" | "20150163643" | "20150172890" | "20160006805" | "20160301724" | "6996410" | "7162241" | "7457288" | "7957376" | "7969979" | "8576763" | "8594684" | "8811302" | "8867425" | "9042291").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:27
L14	91	("20030018753" | "20040171351" | "20040179484" | "20060221926" | "20070183451" | "20070191041" | "20070263709" | "20070291728" | "20080109841" | "20080109851" | "20080205365" | "20080219275" | "20090081962" | "20090088177" | "20090135787" | "20090318087" | "20100002608" | "20100035624" | "20100037114" | "20100069112" |	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:27

		"20100098135" | "20100197235" | "20100215004" | "20100227639" | "20100322287" | "20110009136" | "20110235612" | "20110235621" | "20110256834" | "20110256884" | "20110268024" | "20110312288" | "20120014476" | "20120020229" | "20120020231" | "20120040620" | "20120082140" | "20120207040" | "20120243473" | "20120270557" | "20120281563" | "20120294169" | "20130012135" | "20130083753" | "20130090142" | "20130114473" | "20130150106" | "20130201848" | "20130201883" | "20130203432" | "20130225068" | "20130235814" | "20130242780" | "20130258869" | "20130272260" | "20130273857" | "20130301420" | "20130303214" | "20140105087" | "20140235175" | "20140235242" | "20140293973" | "20140328331" | "20150043363" | "20150063145" | "20150071179" | "20150245394" | "5914950" | "7107011" | "7177599" | "7916675" | "8213374" | "8423036" | "8489950" | "8583131" | "8614982" | "8725101" | "8737924" | "8750926" | "8780880" | "8787468" | "8838046" | "8886239" | "8897220" | "8913536" | "8942633" | "8983448" | "9030992" | "9131522" | "9131523" | "9237452").PN.				
L15	7	("20120207040" | "20130053017" | "20140087748" | "20140220963" | "20140241250" | "20140302865" | "20140365760").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:27
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L21	11	("20020169886" | "20030026213" | "20030078002" | "20030078062" | "6285889" | "6842460" | "6888811" | "6909721" | "7039033" | "7346369" | "7415270").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:27
L22	4	("20020086671" | "20050202849" | "5924042" | "6445918").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:28
L23	95	(proximity same (short adj range)) same (phone mobile cellular pda iphone ipad) same entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/10/12 16:28
L24	60	23 AND ((H04W4/008 OR H04W4/02 OR H04W4/20 OR H04W8/005 OR	US-PGPUB; USPAT;	OR	OFF	2017/10/12 16:29

		H04W4/021 OR H04W76/023 OR H04W76/021 OR H04W12/08 OR H04W12/06 OR H04W12/10 OR H04W12/12 OR H04W4/025 OR H04W4/18 OR H04W84/005 OR H04W84/18 OR H04W88/06 OR H04W12/00 OR H04W12/02 OR H04W4/028 OR H04W4/206 OR H04W28/18 OR H04W48/08 OR H04W4/005 OR H04W4/023 OR H04W64/00 OR H04W88/08 OR H04W8/26 OR H04W12/04 OR H04W24/10 OR H04W40/22 OR H04W4/006 OR H04W4/043 OR H04W4/12 OR H04W4/14 OR H04W68/005 OR H04W84/042 OR H04W84/12 OR H04W88/02 OR H04W88/04).CPC.)	USOCR; EPO; JPO; DERWENT			
L25	144	("20020163443" | "20030189094" | "20040010430" | "20040030601" | "20040069852" | "20040104842" | "20040124982" | "20040172262" | "20040178912" | "20040243518" | "20050239402" | "20050278991" | "20060069749" | "20060202827" | "20060220868" | "20070273473" | "20070285207" | "20070285208" | "20070285213" | "20070290807" | "20090077100" | "20090278688" | "20090289771" | "20100023392" | "3733608" | "4050063" | "4075632" | "4401971" | "4623874" | "4691202" | "4692769" | "4926182" | "4935962" | "5035563" | "5038283" | "5053774" | "5055968" | "5079411" | "5121407" | "5182570" | "5287266" | "5293029" | "5295064" | "5320561" | "5374930" | "5444444" | "5446447" | "5448110" | "5450086" | "5463209" | "5465099" | "5467099" | "5491484" | "5491715" | "5512910" | "5528222" | "5537105" | "5539775" | "5551532" | "5555286" | "5557254" | "5561435" | "5572226" | "5606323" | "5621412" | "5629981" | "5649296" | "5682139" | "5682143" | "5701121" | "5726630" | "5742509" | "5745036" | "5790946" | "5818021" | "5844181" | "5850187" | "5852421" | "5887139" | "5892441" | "5894266" | "5900808" | "5901211" | "5907286" | "5917433" | "5918222" | "5923298" | "5932853" | "5943624" | "5955710" | "5959357" | "5979757" | "5995898" | "6010074" | "6028564" | "6037907" | "6040745" | "6049745" | "6073727" | "6078928" | "6082500" | "6130602" | "6144301" | "6177872" | "6184841" | "6192222" | "6202008" | "6202799" | "6206142" | "6223160" | "6236836" | "6239765" | "6317027" | "6329139" | "6331825" | "6335685" | "6362737").PN. OR ("6411212" | "6466232" | "6483433" | "6486801" | "6507279" | "6535107" | "6557758" |	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:29

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L27	45	("20030224795" | "20070124077" | "20080120186" | "20080261526" | "20090214039" | "20090248435" | "20090313109" | "20100174599" | "20100280904" | "20100287011" | "20100287052" | "20110092185" | "20110178863" | "20110246659" | "20110302014" | "20120047011" | "20120289255" | "20130214909" | "20130217332" | "20130217333" | "20130218681" | "20130282438" | "20130285855" | "20130337841" | "20140258405" | "20140280316" | "20150003333" | "20150012840" | "20150082452" | "20150095402" | "20160014568" | "5778304" | "8423003" | "8433296" | "8433342" | "8437384" | "8515459" | "8588816" | "8660951" | "8666376" | "8688147" | "8718598" | "8891594" | "8897344" | "8897707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:29
L28	7	("20090153305" | "20140028447" | "20140240088" | "20150070140" | "20150084813" | "20150213295" | "8390429").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:29
L30	1263552	455/$.ccls. 379/$.ccls. 370/$.ccls. 709/$.ccls. 705/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/10/12 16:30
L31	44	23 and 30	US-PGPUB; USPAT;	OR	OFF	2017/10/12 16:31

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
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L38	8	entity and (first adj3 interfac$3) and (second adj3 interfac$3) and (refrain$3 stop$4) near9 (communicat$3 connect$3) near9 interfac$3.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/10/12 16:33
L39	6	("20070064647" | "20100157943" | "20100157944" | "20100242089" | "20100329205" | "20140273949").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:33
L40	3	23 AND ((H04M1/7253 OR H04M2250/04 OR H04M2250/02 OR H04M2250/12).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/10/12 16:34
L41	32	23 AND ((H04L63/0853 OR H04L9/3218 OR H04L2209/56 OR H04L2209/805 OR H04L63/1416 OR H04L9/3234 OR H04L67/306 OR H04L63/08 OR H04L63/0876 OR H04L63/10 OR H04L63/126 OR H04L65/60 OR H04L67/24 OR H04L12/2812 OR H04L12/2829 OR H04L9/3231 OR H04L9/3247 OR	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/10/12 16:34

		H04L9/3271 OR H04L63/102 OR H04L63/105 OR H04L63/14 OR H04L63/1483 OR H04L63/168 OR H04L67/12 OR H04L63/20 OR H04L65/1059 OR H04L67/1095 OR H04L67/18 OR H04L67/26 OR H04L67/42 OR H04L69/18).CPC.)				
L42	45	("20030224795" | "20070124077" | "20080120186" | "20080261526" | "20090214039" | "20090248435" | "20090313109" | "20100174599" | "20100280904" | "20100287011" | "20100287052" | "20110092185" | "20110178863" | "20110246659" | "20110302014" | "20120047011" | "20120233070" | "20120289255" | "20130214909" | "20130217332" | "20130217333" | "20130218681" | "20130282438" | "20130285855" | "20130337841" | "20140258405" | "20140280316" | "20150003333" | "20150012840" | "20150082452" | "20150095402" | "20160014568" | "5778304" | "8423003" | "8433296" | "8433342" | "8437384" | "8515459" | "8588816" | "8666376" | "8688147" | "8718598" | "8891594" | "8897344" | "8897707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 16:34
L44	1	15/251882	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/10/12 16:35
L45	24	(proximity same (short adj3 range)) same phone same entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/10/12 17:00
L46	12	45 AND ((H04L9/3218 OR H04L2209/56 OR H04L2209/805 OR H04L9/3234 OR H04L63/126 OR H04L63/0853 OR H04L9/3231 OR H04L9/3247 OR H04L9/3271 OR H04L63/14 OR H04L63/1416 OR H04L63/1483 OR H04L63/168 OR H04L63/20 OR H04L67/18 OR H04L67/24 OR H04L67/306 OR H04L69/18).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/10/12 17:06
L47	12	45 AND ((H04W4/008 OR H04W4/02 OR H04W12/10 OR H04W12/00 OR H04W12/02 OR H04W12/04 OR H04W4/028 OR H04W4/14 OR H04W4/206 OR H04W88/06 OR H04W8/005).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/10/12 17:06
L48	144	("20020163443" | "20030189094" | "20040010430" | "20040030601" | "20040069852" | "20040104842" | "20040124982" | "20040172262" | "20040178912" | "20040243518" | "20050239402" | "20050278991" |	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 17:06

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L50	40	("20010030664" | "20030065768" | "20030112944" | "20030217109" | "20040078432" | "20040078448" | "20040111479" | "20040143632" | "20040201500" | "20050149622" | "20050177805" | "20050223069" | "20050235034" | "20050266858" | "20060019676" | "20060020677" | "20060029106" | "20060098624" | "20070036284" | "20080090591" | "20080091537" | "20080161018" | "6353398" | "6611532" | "6672506" | "6741188" | "6796505" | "6837436" |	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 17:08

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L51	4	("3720874" | "5500651" | "6486769" | "6975228").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 17:08
L52	17	("20010049688" | "5822727" | "5983190" | "6031549" | "6052679" | "6064968" | "6070149" | "6138139" | "6324499" | "6356869" | "6377944" | "6567805" | "6711585" | "6728702" | "6751591" | "6823313" | "6839671").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 17:08
L53	20	("20020180588" | "20020196126" | "4260990" | "4782345" | "4870391" | "5142292" | "5446447" | "5771021" | "5892300" | "5940043" | "5977875" | "6037879" | "6043792" | "6070803" | "6107920" | "6147605" | "6480110" | "6617962" | "6624743" | "6889036").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 17:09
L54	12	("20020138173" | "20030037009" | "4556944" | "4921107" | "5208449" | "5263118" | "5305244" | "5362949" | "5497140" | "5677834" | "5869819" | "6021942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 17:09
L55	133	("20010020204" | "20010028304" | "20010044299" | "20010052849" | "20020000930" | "20020027507" | "20020038182" | "20020050945" | "20020057192" | "20020063622" | "20020077080" | "20020087260" | "20020111171" | "20020111819" | "20020115453" | "20020119789" | "20030003943" | "20030013445" | "20030151507" | "20040034470" | "5389934" | "5400020" | "5461365" | "5491486" | "5512902" | "5515858" | "5528247" | "5528518" | "5539748" | "5541845" | "5550551" | "5568119" | "5570412" | "5576716" | "5592173" | "5623260" | "5629678" | "5652570" | "5710551" | "5712619" | "5731757" | "5731788" | "5742233" | "5751245" | "5771001" | "5774876" | "5797091" | "5835907" | "5841352" | "5844862" | "5850196" | "5948043" | "5959575" | "5959577" | "5963130" | "6002363" | "6002982" | "6009319" | "6013007" | "6014080" | "6014090" | "6023241" | "6032051" | "6034622" | "6054928" | "6064336" | "6067018" | "6067044" | "6072396" | "6078290" | "6083248" | "6083353" | "6094168" | "6100806" | "6131067" | "6141570" | "6144303" | "6148280" | "6171264" | "6172640" | "6175616" | "6198390" | "6198431" | "6198930" | "6199045" | "6226622" | "6232916" | "6236358" | "6238337" | "6243039" | "6246376" | "6263280" |	US-PGPUB; USPAT; USOCR	OR	OFF	2017/10/12 17:09

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S1	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 11:14
S2	1	12/264711 and "16"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 11:30
S3	1	12/264711 and entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 11:32
S4	15	financial near transaction same payment near3 toll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 11:52
S5	8905	455/456.1-456.6.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:01
S6	2466044	first same second same (mobile pda cell cellular portable phone device)	US-PGPUB; USPAT;	OR	OFF	2011/09/13 12:02

			USOCR; EPO; JPO; DERWENT			
S8	9883	first same second same (mobile pda cell cellular portable phone device) same entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:03
S10	222	S5 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:04
S12	3555	entity same (detect$3 associat$4) same first same second same (mobile pda cell cellular portable phone device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:05
S13	88	S5 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:05
S14	87	entity same (detect$3 associat$4) same first same second same (mobile pda cell cellular portable phone device) and (position location) same velocity same time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:10
S15	5	S5 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:10
S16	1	entity same (detect$3 associat$4) same first same second same (mobile pda cell cellular portable phone device) and (position location) same velocity and time-of-day	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:16
S17	286	(detect$3 associat$4) same first same second same (mobile pda cell cellular portable phone device) and (position location) and pay$6 near2 toll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:18
S18	4	S5 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:18
S19	275	first near4 (mobile pda cell cellular portable phone device) same second near4 (mobile pda cell cellular portable phone device) and pay$6 near2 toll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:20
S20	9	S5 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:20
S21	411	(payment toll) same (master slave) same (phone portable mobile cell	US-PGPUB; USPAT;	OR	OFF	2011/09/13 12:31

		cellular pda)	USOCR; EPO; JPO; DERWENT			
S22	2	S5 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:31
S24	55	(pay$4 near2 toll) same (first master) same (second slave) same (phone portable mobile cell cellular pda device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/13 12:42
S25	339	karabinis near2 peter.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/19 15:59
S26	466	time-of-day and velocity and entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/19 16:00
S27	5	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/19 16:00
S28	1	12/264711 and detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/02/03 16:07
S29	1	12/264711 and value same satisf$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/02/03 16:27
S30	6	(mobile cell cellular pda phone) same payroll same (met satisf$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 16:31
S31	1	(mobile cell cellular pda phone) same ((pay adj toll) paytoll) same (met satisf$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 16:32
S32	145	(mobile cell cellular pda phone) same ((pay adj toll) paytoll)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 16:36
S33	1204055	(time-of-day TOD ToM ToY velocity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/02/03 16:38
S34	14	S32 and S33	US-PGPUB; USPAT;	OR	OFF	2012/02/03 16:38

			USOCR; EPO; JPO; DERWENT			
S36	28	(mobile cell cellular pda phone) same ((pay adj toll) paytoll purchas$5) same respon$6 near2 value	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 16:52
S38	8	(mobile cell cellular pda phone) same ((pay adj toll) paytoll) same value	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 16:56
S39	4	("20030187571" | "20070176771" | "20090143966" | "6012012").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2012/02/03 17:16
S40	23	("7133659" | "20060145893" | "20070285280" | "7822644" | "7028897" | "RE39736" | "20070167147" | "20080167966" | "20060009234" | "6769607" | "7155199" | "20040030601").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2012/02/03 17:29
S41	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/15 16:24
S42	1	12/264711 and second near device	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/15 16:26
S43	1	12/264711 and mode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/15 16:39
S44	878	(deduct$4 withdrawn$3 charg$4 paid pay$3) same (toll$3) same (master owner)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 21:20
S45	202	(deduct$4 withdrawn$3 charg$4 paid pay$3) same (toll$3) same (master owner slave) same (first second)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 21:22
S47	15	(deduct$4 withdrawn$3 charg$4 paid pay$3) same (toll$3) same (master owner slave) same (first second) same (RFID tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 21:22
S48	21	(deduct$4 withdrawn$3 charg$4 paid pay$3) same (toll$3) same (master owner slave) same ((first second) near3 (device user))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 21:27
S49	82	(deduct$4 withdrawn$3 charg$4 paid pay$3) with (master owner) same (toll$3) same (transponder RFID	US-PGPUB; USPAT; USOCR;	OR	ON	2014/05/16 21:39

		tag$3)	EPO; JPO; DERWENT			
S50	83	(master primary owner) with (deduct$4 withdrawn$3 charg$4 paid pay$3) same (toll$3) same (transponder RFID tag$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 22:13
S51	17	(First primary multiple plurality) near2 (RFID tag$2) same (toll$3) same (bill$3 charg$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/16 22:25
S52	5	(toll) with non-member	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:35
S53	145	(toll) same (transaction) same member	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:36
S54	99	(toll) with (transaction) same member	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:36
S55	0	((pay adj toll) pay-toll) with (transaction) same member	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:37
S56	2	((pay adj toll) pay-toll) same (transaction) same member	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:37
S57	35	((pay adj toll) pay-toll) same (bill$3 charg$3 authoriz$6 transaction) same (master owner primary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 13:55
S58	287974	H04W 64/00.CPC.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:25
S59	287974	H04W 4/02.CPC.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:25
S60	287974	H04W 48/04.CPC.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:25
S62	22	(mobile cell cellular pda phone) same ((pay adj toll) paytoll) same (transponder RFID) same (charg$4	US-PGPUB; USPAT; USOCR;	OR	ON	2014/05/20 15:26

		bill$4 transaction)	EPO; JPO; DERWENT			
S63	1	S58 and S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:26
S65	117	(mobile cell cellular pda phone) same ((pay adj toll) paytoll toll) same (transponder RFID) same (charg$4 bill$4 transaction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:27
S66	5	S58 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:27
S67	7	("20070066226" | "20070247333" | "20080086240" | "20100207754" | "20110039571" | "7139589" | "7539500").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2014/05/20 15:27
S68	5	S59 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:28
S69	35	((pay adj toll) pay-toll) same (bill$3 charg$3 authoriz$6 transaction) same (master owner primary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:28
S70	2	S60 and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:28
S71	17	("20010037174" | "20030115095" | "20030195697" | "20050107951" | "20070142050" | "20080030376" | "4676187" | "5184303" | "5509052" | "5550738" | "5694322" | "5970481" | "5974356" | "6199010" | "6594576" | "6705521" | "6741927").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2014/05/20 15:28
S73	529	(mobile cell cellular pda phone) same ((pay adj toll) paytoll toll) same (charg$4 bill$4 transaction) same (primary owner authoriz$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:30
S74	15	S58 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:30
S75	15	S59 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:31
S76	15	S60 and S73	US-PGPUB; USPAT;	OR	ON	2014/05/20 15:31

			USOCR; EPO; JPO; DERWENT			
S77	35	((pay adj toll) pay-toll) same (bill$3 charg$3 authoriz$6 transaction) same (master owner primary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:31
S78	2	S59 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 15:31
S79	0	12/264711 and smartphone and building	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2014/09/08 11:22
S80	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2014/09/08 11:22
S81	5416	(phone mobile cell cellular pda) same (((Orthogonal adj Frequency adj Division adj Multiplexed) (Orthogonal adj Frequency adj Division adj Multiple adj Access)OFDM OFDMA)) same protocol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 13:50
S82	23	(phone mobile cell cellular pda) same (((Orthogonal adj Frequency adj Division adj Multiplexed) (Orthogonal adj Frequency adj Division adj Multiple adj Access)OFDM OFDMA)) near4 protocol same (identif$6 RFID)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 13:51
S83	13004	(phone mobile cell cellular pda) same associat$6 same (identif$6 RFID) same (entity build$4 shopp$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 13:55
S84	246	(phone mobile cell cellular pda) same associat$6 same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 13:57
S85	11	(phone mobile cell cellular pda) same associat$6 same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) same ((short adj range) proximity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 13:57
S86	17	11/933803	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:00
S87	19	(phone mobile cell cellular pda) same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) same ((short adj range)	US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	ON	2014/09/08 14:07

		proximity)	DERWENT			
S88	19	(phone mobile cell cellular pda) same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) same ((short adj range) proximity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:11
S89	19	(phone mobile cell cellular pda) same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) same ((short adj range) proximity wifi wimax)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:11
S90	0	(phone mobile cell cellular pda) same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) same ((short adj range) proximity wifi wimax) and (OFDM OFDMA)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:11
S91	2	(phone mobile cell cellular pda) same (identif$6 RFID) same (entity build$4 shopp$4) same (financial near2 transaction) and ((short adj range) proximity wifi wimax) and (OFDM OFDMA)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/08 14:12
S96	1065	(dual-mode dual adj mode dualmode) with (identif$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/09 15:02
S97	46	(dual-mode dual adj mode dualmode) with (identif$7) same (wimax wifi)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/09 15:02
S98	2	(dual-mode dual adj mode dualmode) with (identif$7) same (wimax wifi) same build$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/09 15:03
S99	308133	h04w 64/00.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/10 09:54
S100	46	(dual-mode dual adj mode dualmode) with (identif$7) same (wimax wifi)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/10 09:55
S101	27	S99 and S100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/10 09:55
S102	308133	H04W 4/02.CPC.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/09/10 09:55
S103	27	S100 and S102	US-PGPUB; USPAT;	OR	ON	2014/09/10 09:55

			USOCR; EPO; JPO; DERWENT			
S105	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 10:37
S108	46	(mobile cellular cell pda phone) same switch$4 same ((short adj range) RFID) same inside	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 10:52
S109	1	12/264711 and detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 10:56
S111	0	detect$3 same enable with ((plurality two) adj2 mode) same (short-range (short adj range))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 10:59
S112	101	detect$3 same ((plurality two) adj2 mode) same (short-range (short adj range))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 10:59
S113	38085416	@ad<"20081104" @rlad<"20081104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:00
S114	90	S112 and S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:00
S115	120	automat$8 same switch$4 same (RFID short-range (short adj range)) same (inside building)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:10
S116	77	S113 and S115	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:10
S118	225	(mobile cell cellular pda phone) same ((enab$6 switch$3) near3 mode) same detect$4 same (short-range wifi wi-fi (short adj range))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:19
S119	50	S113 and S118	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/01/21 11:20
S120	1	12/264711 and sens$3	US-PGPUB; USPAT;	OR	ON	2015/04/01 19:42

			USOCR; EPO; JPO; DERWENT			
S121	200	(phone pda cell cellular portable pda) same (toll adj2 collect$3) same (account$3 charg$3 pay$3 paid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/04 13:47
S122	60	(phone pda cell cellular portable pda) same (toll adj2 collect$3) same (identif$5) same (account$3 charg$3 pay$3 paid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/04 13:48
S124	1	(slave master) same (phone pda cell cellular portable pda) same (toll adj2 collect$3) same (identif$5) same (account$3 charg$3 pay$3 paid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/06 10:59
S125	1	(slave master) same (phone pda cell cellular portable pda) same (toll adj2 collect$3) same (identif$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/06 11:00
S127	0	(recogniz$3 with (phone pda cell cellular portable pda)) same (toll adj2 collect$3) same (identif$5) same (account$3 charg$3 pay$3 paid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/06 11:02
S128	0	((multiple group) near5 (phone pda cell cellular portable pda)) same (toll adj2 collect$3) same (identif$5) same (account$3 charg$3 pay$3 paid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/06 11:03
S129	1	(phone pda cell cellular portable pda) same (toll adj2 collect$3) same (identif$5) same (account$3 charg$3 pay$3 paid) near8 (primary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/06 11:03
S131	395	(deduct$3 charg$3 withdraw$3) near7 (owner primary) same toll$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 11:15
S132	34	(deduct$3 charg$3 withdraw$3) near7 (owner primary) same toll$3 near2 collect$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 12:26
S133	4	(deduct$3 charg$3 withdraw$3) near7 (owner primary) with toll$3 near2 account$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 12:34
S134	1	(deduct$3 charg$3 withdraw$3) same (multiple group) same (owner primary) with toll$3 near2 account$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 12:40
S135	0	12/264711 and absent	US-PGPUB; USPAT;	OR	ON	2015/04/07 13:35

			USOCR; EPO; JPO; DERWENT			
S137	150	switch$3 same first near2 mode same second near2 mode same (RFID wifi wi-fi)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 14:13
S138	2	switch$3 same first near2 mode same second near2 mode same (RFID wifi wi-fi) same (emergency priorit$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 14:13
S139	70	switch$3 same first near2 mode same second near2 mode same (RFID wifi wi-fi) and (emergency priorit$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 14:14
S140	65	switch$3 same first near2 mode same second near2 mode same (wifi wi-fi)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 14:30
S141	205	(dual-mode dual adj mode dualmode) with (convert$4 switch$4) same (wimax wifi wi-fi)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/07 14:39
S142	1	"08532069"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/04/09 10:30
S143	1	12/264711 and financial near transaction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2015/04/09 11:20
S144	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2015/09/17 16:50
S145	345	(phone pda cell cellular portable pda) with between with financial near2 transaction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/17 20:45
S146	13	(phone pda cell cellular portable pda) with between with financial near2 transaction same ((short adj range) RFID)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/17 20:47
S147	1	12/002903	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/18 13:43
S148	2	"20090023474"	US-PGPUB; USPAT;	OR	ON	2015/09/18 13:53

			USOCR; EPO; JPO; DERWENT			
S152	73	(mobile phone pda cell cellular) same (financial near transaction) same (match$4 near6 (ID identif$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/18 14:16
S153	451	(financial near transaction) near6 between near8 (mobile phone pda cell cellular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/18 14:22
S154	92	(financial near transaction) near6 between near8 (mobile phone pda cell cellular) same ((short adj range) (RFID))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/09/18 14:22
S155	0	12/264711 and living near2 organism	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 13:02
S156	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 13:03
S157	18070	physiological near data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:48
S158	7491	physiological near data same sens$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:48
S159	45	physiological near data same sens$3 same living	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:49
S160	0	physiological near data same sens$3 same living same phone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:55
S161	7	physiological near data same sens$3 same living same (mobile smart-phone smartphone cell cellular pda)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:56
S162	5	physiological near data same living near3 organ$4 same (mobile smart-phone smartphone cell cellular pda)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 14:57
S163	92	sens$4 same physiological near3 data same living	US-PGPUB; USPAT;	OR	ON	2015/10/19 15:23

			USOCR; EPO; JPO; DERWENT			
S164	15	sens$4 same physiological near3 data same living same (mobile cell cellular pda smartphone phone smart-phone portable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 15:23
S165	0	wegertseder near3 dominlk.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 15:27
S166	92	sens$4 same physiological near3 data same living	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 17:59
S167	4	S166 AND ((H04W4/027 OR H04W60/04 OR H04W64/006).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 17:59
S168	15	S166 AND ((G06F19/3418 OR G06F19/322 OR G06F19/3431 OR G06F15/18 OR G06F19/327 OR G06F19/3437 OR G06F19/3468 OR G06F3/038 OR G06F19/3481 OR G06F3/0416).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 17:59
S169	14	S166 AND ((G01S13/88 OR G01S13/583 OR G01S13/56 OR G01S19/39 OR G01S5/00 OR G01S5/0294 OR G01S13/825 OR G01S13/87 OR G01S7/003 OR G01S13/50 OR G01S7/41).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2015/10/19 18:00
S170	0	12/264711 and living near organism	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2016/02/10 14:29
S171	1	12/264711	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2016/02/10 14:29
S172	1	12/264711 and physiological	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2016/02/10 14:45
S173	0	(bluetooth wifi wi-fi) same (sale adj2 terminal) same (finger adj print)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:02
S175	14	(bluetooth wifi wi-fi) same (finger adj print) same match$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:02

S177	259	(bluetooth wifi wi-fi) and (finger adj print) near6 match$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:07
S178	137	(bluetooth wifi wi-fi) and (finger adj print) near6 match$3 same (terminal pda phone portable cell cellular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:07
S179	38047193	@ad< "20081104" @rlad< "20081104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:08
S181	0	(bluetooth wifi wi-fi) and (finger adj print) near6 match$3 same (terminal pda phone portable cell cellular) same sale	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:09
S182	142	(bluetooth wifi wi-fi) and (ID identif$6 (finger adj print)) near6 match$3 same (terminal pda phone portable cell cellular) same sale	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:11
S183	53	S179 and S182	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:11
S184	937	(bluetooth wifi wi-fi) same (ID identif$6 (finger adj print)) near6 match$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:16
S185	2	(bluetooth wifi wi-fi) same ((finger adj print) near6 match$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:16
S187	9	(bluetooth wifi wi-fi) same (finger adj print) same sale	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:18
S188	60	(bluetooth wifi wi-fi) same (fingerprint finger-print (finger adj print)) same sale	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:21
S189	35	S179 and S188	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:21
S190	424	(bluetooth wifi wi-fi) same (fingerprint finger-print (finger adj print)) same (sale match$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:36

S191	194	(bluetooth wifi wi-fi) same (fingerprint finger-print (finger adj print)) near8 (match$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:36
S193	68	S179 and S191	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/10 16:37
S194	6	(3D adj4 positioning) same horizontal same height	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/11 13:31
S195	1	(3D adj4 positioning) same horizontal same height same indoor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/02/11 13:31
S196	0	(smart adj2 (device phone)) and (physiological adj2 data) and (living adj organism) and (proxim$4 sens$3) with entity and (first adj air adj interface) and respon$5 with value near6 (physiological adj2 data) and (second adj air adj interface).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2016/06/10 10:42
S197	175	(sens$4 proxim$4) same (physiological adj5 data) and (liv$3 adj2 organism)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:43
S198	8	(sens$4 proxim$4) same (physiological adj5 data) same (liv$3 adj2 organism)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:43
S199	15	(sens$4 proxim$4) same (physiological adj5 data) and (liv$3 adj2 organism) and (air adj3 interfac$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:44
S200	396983	455/$.ccls. 705/$.ccls. 709/$.ccls. 379/$.ccls. 370/$.ccls.	USPAT	OR	OFF	2016/06/10 10:46
S201	3	S197 and S200	USPAT	OR	OFF	2016/06/10 10:46
S202	157	("20010011222" | "20010023315" | "20010044809" | "20010052012" | "20020010797" | "20020013518" | "20020023172" | "20020037035" | "20020072933" | "20020099854" | "20020128862" | "20020143824" | "20020151771" | "20020184070" | "20020184384" | "20030004403" | "20030037043" | "20030074248" | "20030093459" | "20030177035" | "20030212982" | "20030233250" | "20040030763" | "20040044545" | "20040049522" | "20040088374" | "20040122708" | "20040143677" |	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:46

		"20040172442" | "20040176983" | "20040215830" | "20050038326" | "20050054921" | "20050071316" | "20050071324" | "20050071486" | "20050091358" | "20050125778" | "20050154855" | "20050165947" | "20050198364" | "20050204022" | "20050222896" | "20050273772" | "20060017563" | "20060052945" | "20060069605" | "20060080338" | "20060085336" | "20060085450" | "20060089541" | "20060101109" | "20060111936" | "20060129435" | "20060168513" | "20060178841" | "20060178914" | "20060200259" | "20060253259" | "20070016563" | "20070027670" | "20070061393" | "20070073872" | "20070094548" | "20070156726" | "20070208865" | "20080052384" | "20080082683" | "20080133699" | "20080134133" | "20080140770" | "20080191866" | "20090037514" | "20100005448" | "20110022748" | "20110179405" | "20110202824" | "20120203873" | "5261080" | "5307262" | "5446880" | "5517622" | "5664126" | "5708828" | "5710908" | "5721895" | "5724580" | "5734907" | "5857195" | "5892925" | "5999979" | "6026392" | "6050940" | "6130917" | "6190313" | "6193654" | "6226620" | "6249668" | "6250309").PN. OR ("6275869" | "6330572" | "6332163" | "6375614" | "6400286" | "6438594" | "6496851" | "6584445" | "6616606" | "6625617" | "6633833" | "6644322" | "6651104" | "6665725" | "6669631" | "6697103" | "6721286" | "6763353" | "6766361" | "6779004" | "6792431" | "6801331" | "6820135" | "6839717" | "6848108" | "6875174" | "6915312" | "6940807" | "6942616" | "6951539" | "6970844" | "6978422" | "6993536" | "7016963" | "7054924" | "7065579" | "7124299" | "7136927" | "7181508" | "7200671" | "7321861" | "7340500" | "7360154" | "7389474" | "7392255" | "7408932" | "7542958" | "7653227" | "7668737" | "7725606" | "7761862" | "7783637" | "7788648" | "7859401" | "7966078" | "8024128" | "8079953" | "8370078").PN.				
S203	6	("20100117899" | "20100159990" | "20100260141" | "20100261474" | "20110081931" | "8060108").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:46
S206	62	(mobile cellular cell pda phone iphone ipad portable) same switch$4 same ((short adj range) RFID) same POS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:48
S207	36	S206 AND ((H04W12/06 OR H04W88/02 OR H04W88/00 OR	US-PGPUB; USPAT;	OR	ON	2016/06/10 10:48

		H04W52/0254 OR H04W52/0274 OR H04W74/00 OR H04W48/18 OR H04W4/008 OR H04W88/10 OR H04W12/08 OR H04W48/02 OR H04W48/08 OR H04W48/16 OR H04W48/20 OR H04W4/02 OR H04W4/023 OR H04W4/027 OR H04W4/046 OR H04W64/006 OR H04W68/02 OR H04W84/045 OR H04W88/08 OR H04W8/20 OR H04W8/22).CPC.)	USOCR; EPO; JPO; DERWENT			
S208	30	S206 AND ((H04M1/0274 OR H04M1/72575 OR H04M17/103 OR H04M17/106 OR H04M2017/12 OR H04M2017/14 OR H04M15/77 OR H04M15/774 OR H04M2215/7254 OR H04M2215/7272 OR H04M15/68 OR H04M17/02 OR H04M2215/0196 OR H04M2250/04 OR H04M1/0254 OR H04M1/72527 OR H04M1/7253 OR H04M2250/02).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:48
S209	5	("5955961" | "6764005" | "6769607" | "7558110" | "8313037").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:49
S210	14	S206 AND ((G06F21/34 OR G06F1/1698 OR G06F1/3209 OR G06F1/329 OR G06F9/5094).CPC.)	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:49
S211	99	("20020016639" | "20020040475" | "20030120959" | "20040148388" | "20050055589" | "20050123109" | "20050243861" | "20060053324" | "20060056397" | "20070024239" | "20070043477" | "20070050818" | "20070135086" | "20070143637" | "20070189257" | "20070214473" | "20070233323" | "20070276547" | "20080001584" | "20080037999" | "20080052546" | "20080063381" | "20080178232" | "20080215899" | "20080215902" | "20080225841" | "20080244282" | "20080256371" | "20080272741" | "20080301322" | "20080303486" | "20090049315" | "20090070603" | "20090083167" | "20090182834" | "20090195349" | "20090196281" | "20090217063" | "20090217188" | "20090228723" | "20090249091" | "20090263127" | "20090310607" | "20100052421" | "20100070217" | "20100080111" | "20100111523" | "20100162294" | "20100162305" | "20100172628" | "20100205466" | "20100235868" | "20100241880" | "20100247068" | "20100309904" | "20100322078" | "20100329108" | "20110022699" | "20110029796" | "20110067048" | "20110072286" | "20110125337" | "20110131428" | "20110157939" | "20110199046" | "20110239019" | "20110246797" | "20120045210" | "20120095610" | "20120120958" | "20120226918" | "20120284537" |	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:49

		"20130303202" | "4785927" | "6618709" | "6785592" | "6930947" | "6980526" | "7084752" | "7177728" | "7203849" | "7263450" | "7324518" | "7337336" | "7366933" | "7392407" | "7698580" | "7734572" | "7908501" | "7921306" | "7941677" | "7966502" | "7974298" | "8160753" | "8225124" | "8250381" | "8261104" | "8301918" | "8352754").PN.				
S212	22	S206 AND ((H04L2463/102 OR H04L63/083 OR H04L63/0853 OR H04L2209/80 OR H04L2209/56 OR H04L63/0823 OR H04L63/0861 OR H04L9/3231 OR H04L12/12 OR H04L41/0213 OR H04L41/0833 OR H04L41/0803 OR H04L5/0048 OR H04L63/0876 OR H04L63/10 OR H04L63/101 OR H04L63/108 OR H04L67/02 OR H04L67/125).CPC.)	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:50
S213	59	("20020040475" | "20040148388" | "20050243861" | "20070024239" | "20070050818" | "20070135086" | "20070143637" | "20070214473" | "20080001584" | "20080037999" | "20080052546" | "20080063381" | "20080215899" | "20080215902" | "20080225841" | "20080256371" | "20080272741" | "20080303486" | "20090049315" | "20090083167" | "20090196281" | "20090228723" | "20100052421" | "20100070217" | "20100080111" | "20100162294" | "20100162305" | "20100172628" | "20100205466" | "20100235868" | "20100241880" | "20100247068" | "20100309904" | "20100322078" | "20100329108" | "20110022699" | "20110029796" | "20110067048" | "20110072286" | "20110131428" | "20110157939" | "20110199046" | "20110246797" | "4785927" | "6269343" | "6415270" | "6618709" | "6681156" | "6785592" | "6930947" | "6980526" | "7084752" | "7188260" | "7263450" | "7366933" | "7392407" | "7698580" | "7966502" | "7974298").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:50
S214	20	S206 AND ((H04B1/3816 OR H04B5/0025 OR H04B5/0056 OR H04B7/00).CPC.)	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:50
S216	5	(detect$3 sens$4) same (first adj2 air adj2 interface) same (second adj2 air adj2 interface) same (mobile pda cell cellular portable phone device iphone ipad) same (entity position location)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2016/06/10 10:53
S217	4	("20090017826" | "20100215021" | "20130080612" | "8238311").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:53
S218	0	("7295846").URPN.	USPAT	OR	OFF	2016/06/10 10:53
S219	9	("20020149515" | "20030120817" |	US-PGPUB;	OR	OFF	2016/06/10

		"20040106408" | "20040202132" | "20040253984" | "5295180" | "6549773" | "6603977" | "6744753").PN.	USPAT; USOCR			10:53
S222	51	(phone mobile cell cellular pda ipad iphone) same ((short adj2 range) RFID Bluetooth) same (entity build$4 shopp$4 terminal POS) same (first adj air interface) and (second adj air adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:56
S223	47	S222 AND ((H04W88/06 OR H04W36/14 OR H04W36/22 OR H04W36/38 OR H04W8/245 OR H04W16/14 OR H04W52/0238 OR H04W52/243 OR H04W36/30 OR H04W28/18 OR H04W36/0022 OR H04W36/18 OR H04W48/18 OR H04W4/02 OR H04W76/025 OR H04W84/18 OR H04W88/04 OR H04W12/06 OR H04W12/08 OR H04W16/26 OR H04W36/00 OR H04W36/0005 OR H04W36/0016 OR H04W36/0088 OR H04W48/02 OR H04W48/10 OR H04W4/00 OR H04W4/26 OR H04W52/0225 OR H04W76/02 OR H04W76/023 OR H04W76/043 OR H04W76/048 OR H04W80/04 OR H04W88/021 OR H04W88/08 OR H04W88/10).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 10:56
S224	17	("20020059432" | "20020087674" | "20050090277" | "20050097165" | "20060083199" | "20070015535" | "20070015536" | "20070147399" | "20080037473" | "20080123661" | "20110317667" | "20120317194" | "20130007126" | "7613171" | "7991399" | "8023497" | "8037188").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57
S225	12	("20030125968" | "20070109956" | "20070179974" | "20110225281" | "20110291882" | "20130029710" | "20130107702" | "20140115654" | "20140169375" | "20140233479" | "20150036687" | "7215942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57
S226	11	("20030191826" | "20080220869" | "20110149853" | "20110149908" | "20110195713" | "20110270973" | "20120270551" | "20140010202" | "20140348029" | "20140355428" | "8391858").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57
S227	19	("20020068570" | "20030119489" | "20040008645" | "20040052238" | "20040082330" | "20040087307" | "20040137902" | "20040218566" | "20050053034" | "20050130660" | "20050227691" | "20050266845" | "20060203776" | "5659598" | "6424638" | "6768726" | "6909899" | "6950657" | "7299046").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57
S228	9	("20050169227" | "20060104228" | "20060205406" | "20070232330" | "20110090880" | "6477162" |	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57

		"7738427" | "7933602" | "8005061").PN.				
S229	26	S222 AND ((G06Q20/04 OR G06Q20/32 OR G06Q20/325 OR G06Q20/327 OR G06Q20/102 OR G06Q20/20 OR G06Q20/3223 OR G06Q20/3255 OR G06Q20/341 OR G06Q20/382 OR G06Q20/385 OR G06Q30/04).CPC.)	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:57
S230	31	S222 AND ((H04L63/0272 OR H04L63/08 OR H04L45/22 OR H04L45/24 OR H04L45/28 OR H04L45/302 OR H04L67/12 OR H04L69/24 OR H04L63/18 OR H04L65/4084 OR H04L67/04 OR H04L67/104 OR H04L67/1091 OR H04L67/1093 OR H04L67/24 OR H04L69/08).CPC.)	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:58
S231	17	("20020059432" | "20020087674" | "20050090277" | "20050097165" | "20060083199" | "20070015535" | "20070015536" | "20070147399" | "20080037473" | "20080123661" | "20110317667" | "20120317194" | "20130007126" | "7613171" | "7991399" | "8023497" | "8037188").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 10:58
S232	64	(phone mobile cell cellular pda ipad iphone) same (proximit$3 (short adj2 range) RFID Bluetooth) same (entity build$4 shopp$4 terminal POS) and (first adj air interface) and (second adj air adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2016/06/10 11:01
S233	46	("20010005682" | "20010005840" | "20010034707" | "20020017561" | "20020029342" | "20020045457" | "20020052192" | "20020083000" | "20020107745" | "20020123967" | "20020132585" | "20020147913" | "20020153424" | "20020169001" | "20040004117" | "20040049454" | "20040064406" | "20040072592" | "20040117302" | "20040169637" | "20050033994" | "20050086171" | "20050087603" | "20050113070" | "20050127167" | "20050278222" | "20060003776" | "20060019678" | "20060025110" | "20060035624" | "20060043172" | "20060080232" | "20060091200" | "20060122902" | "20070152035" | "20070189532" | "20070203792" | "20070228160" | "20070235519" | "20070278291" | "20080046366" | "5682417" | "6729550" | "6957339" | "7069001" | "7341182").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 11:02
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S238	12	("20030125968" | "20070109956" | "20070179974" | "20110225281" | "20110291882" | "20130029710" | "20130107702" | "20140115654" | "20140169375" | "20140233479" | "20150036687" | "7215942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/06/10 11:02
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S241	195	(proximity same (short adj range)) same entity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/05/26 14:34
S242	22	(proximity same (short adj range)) same phone same entity	US-PGPUB; USPAT; USOCR;	OR	OFF	2017/05/26 14:35

			EPO; JPO; DERWENT			
S243	1	15/251882	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 14:36
S244	1	15/251882 and ((first second) near4 interface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 14:37
S245	1	"09462411"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 14:39
S247	35	(first adj air adj interface) same (proximity (short adj2 range)) same (second adj air adj interface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 14:53
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S249	1755	(unlicensed un-licensed) same licensed same frequencies	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/26 15:11
S250	156	(unlicensed un-licensed) same licensed same frequencies same (proximity (short adj range))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2017/05/26 15:11

			DERWENT; IBM_TDB			
S251	1	"09462411"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/05/30 11:18
S252	537	(bluetooth wifi wi-fi) same (finger adj print)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2017/05/30 14:29
S253	147	S252 AND ((H04W12/06 OR H04W4/023 OR H04W64/00 OR H04W88/02 OR H04W4/008 OR H04W4/025 OR H04W4/22 OR H04W88/06 OR H04W4/02 OR H04W12/08 OR H04W84/12 OR H04W12/04 OR H04W4/001 OR H04W4/005 OR H04W4/021 OR H04W4/046 OR H04W76/021 OR H04W84/04 OR H04W8/22 OR H04W12/02 OR H04W16/14 OR H04W48/04 OR H04W4/006 OR H04W4/12 OR H04W4/14 OR H04W4/206 OR H04W64/006 OR H04W84/18 OR H04W8/005 OR H04W8/18).CPC.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2017/05/30 14:29
S254	636	(unlicensed un-licensed) same licensed same (proximity (short adj range))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/30 14:35
S255	108	(unlicensed un-licensed) same licensed same (proximity (short adj range)) same protocol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/05/30 14:35
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10/12/2017 5:09:42 PM
C:\Users\mvu1\Documents\EAST\Workspaces\15251882_Proximity_Criterion.wsp

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15251882	KARABINIS ET AL.
	Examiner	**Art Unit**
	MICHAEL T VU	2641

CPC						
Symbol					**Type**	**Version**
H04W		48	/	04	F	2013-01-01
G06Q		30	/	0601	I	2013-01-01
H04W		4	/	02	I	2013-01-01
H04W		4	/	023	I	2013-01-01
H04L		67	/	18	I	2013-01-01
H04W		4	/	008	I	2013-01-01
H04W		76	/	02	I	2013-01-01
H04W		88	/	06	A	2013-01-01
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CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
			/					
			/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	19	
/MICHAEL T VU/ Primary Examiner.Art Unit 2641	10/12/2017	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No. 20171012

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15251882	KARABINIS ET AL.
	Examiner	**Art Unit**
	MICHAEL T VU	2641

US ORIGINAL CLASSIFICATION		INTERNATIONAL CLASSIFICATION										
CLASS	SUBCLASS	CLAIMED					NON-CLAIMED					
455	456.3	H	0	4	W	48 / 04 (2009.01.01)						

CROSS REFERENCE(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
455	456.1	456.2	456.4	456.5	

NONE		Total Claims Allowed:
(Assistant Examiner)	(Date)	19
/MICHAEL T VU/ Primary Examiner.Art Unit 2641	10/12/2017	O.G. Print Claim(s): 1 / O.G. Print Figure: 1
(Primary Examiner)	(Date)	

U.S. Patent and Trademark Office

Part of Paper No. 20171012

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15251882	KARABINIS ET AL.
	Examiner	**Art Unit**
	MICHAEL T VU	2641

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☒ T.D. ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	18	17												
2	2	19	18												
3	3		19												
4	4		20												
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8	13														
9	14														
16	15														
17	16														

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 19	
/MICHAEL T VU/ Primary Examiner.Art Unit 2641 (Primary Examiner)	10/12/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

U.S. Patent and Trademark Office Part of Paper No. 20171012

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 10/24/2017

DDURHAM SALE #00000002 Mailroom Dt: 10/19/2017 15251882
01 FC : 2501 480.00 OP

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 10/24/2017

DDURHAM ADJ #00000007 Mailroom Dt: 10/19/2017
Seq No: 2883 Sales Acctg Dt: 10/20/2017 15251882
01 FC : 1501 -960.00 OP

PART B - FEE(S) TRANSMITTAL

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

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

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

20792 7590 10/18/2017
MYERS BIGEL, P.A.
PO BOX 37428
RALEIGH, NC 27627

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

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/251,882	08/30/2016	Peter D. Karabinis	9466-24TSCT	1249

TITLE OF INVENTION: MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	01/18/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
VU, MICHAEL T	2641	455-456300

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

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

1 Myers Bigel, P.A.
2
3

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

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

(A) NAME OF ASSIGNEE: Telcom Ventures, LLC
(B) RESIDENCE: (CITY and STATE OR COUNTRY): Miami, Florida

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

4a. The following fee(s) are submitted:
- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
- ☐ A check is enclosed.
- ☒ Payment by credit card. Form PTO-2038 is attached.
- ☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 50-0220 (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
- ☐ Applicant certifying micro entity status. See 37 CFR 1.29 — NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
- ☐ Applicant asserting small entity status. See 37 CFR 1.27 — NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
- ☐ Applicant changing to regular undiscounted fee status. — NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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 Vernon Guthrie — Date 10-19-2017
Typed or printed name Vernon H. Guthrie — Registration No. 63,798

Electronic Patent Application Fee Transmittal

Application Number:	15251882
Filing Date:	30-Aug-2016
Title of Invention:	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
First Named Inventor/Applicant Name:	Peter D. Karabinis
Filer:	Vernon H. Guthrie Jr./Susan E. Freedman
Attorney Docket Number:	9466-24TSCT

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	960	960

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

Electronic Acknowledgement Receipt	
EFS ID:	30706497
Application Number:	15251882
International Application Number:	
Confirmation Number:	1249
Title of Invention:	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
First Named Inventor/Applicant Name:	Peter D. Karabinis
Customer Number:	20792
Filer:	Vernon H. Guthrie Jr./Susan E. Freedman
Filer Authorized By:	Vernon H. Guthrie Jr.
Attorney Docket Number:	9466-24TSCT
Receipt Date:	19-OCT-2017
Filing Date:	30-AUG-2016
Time Stamp:	16:06:36
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$960
RAM confirmation Number	102017INTEFSW16072300
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	9466-24TSCT_2017-10-19_Issue_Fee_Transmittal.pdf	133693 3633998b41b7fea10f48a72adb2c5852a701b4a8	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30896 a2f7e0002cf144a47d3e24d0363849edc72c7e21	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	164589		

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.

Attorney Docket No. 9466-24TSCT PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: KARABINIS et al.
Application No.: 15/251,882
Filing Date: August 30, 2016
Confirmation No.: 1249
Group Art Unit: 2641
Examiner: Michael T. Vu
For: MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION

October 19, 2017

Mail Stop 16
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR REFUND OF FEE
UNDER 37 C.F.R. §1.26

Sir:

Applicant respectfully submits this Request for Refund of Fee pursuant to 37 C.F.R. §1.26 in the amount of $480.00. Applicant submits that an Issue Fee payment made in the present application on October 19, 2017 inadvertently included payment at the large entity rate for the issue fee. Fees in the amount of $960.00 were paid by e-Filer via RAM, Confirmation Number 102017INTEFSW16072300.

Applicant respectfully requests a refund in the amount of **$480.00** (the difference in large entity fees and small entity fees) to be placed in Deposit Account No. 50-0220.

Respectfully submitted,

Vernon H. Guthrie
Registration No. 63,798

Customer Number 20792
Myers Bigel, P.A.
P.O. Box 37428
Raleigh, NC 27627
919-854-1400
919-854-1401 (Fax)

CERTIFICATION OF TRANSMISSION

I hereby certify that this correspondence is being transmitted via the Office electronic filing system in accordance with 37 CFR § 1.6(a)(4) to the U.S. Patent and Trademark Office on October 19, 2017.

Susan E. Freedman

Electronic Acknowledgement Receipt

EFS ID:	30709156
Application Number:	15251882
International Application Number:	
Confirmation Number:	1249
Title of Invention:	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
First Named Inventor/Applicant Name:	Peter D. Karabinis
Customer Number:	20792
Filer:	Vernon H. Guthrie Jr./Susan E. Freedman
Filer Authorized By:	Vernon H. Guthrie Jr.
Attorney Docket Number:	9466-24TSCT
Receipt Date:	19-OCT-2017
Filing Date:	30-AUG-2016
Time Stamp:	18:36:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Refund Request	9466-24TSCT_2017-10-19_Request_for_Refund.pdf	310077 4dba202b01ac5db3ce017a6ead62d42ad63d3f93	no	1

Warnings:

Information:	
Total Files Size (in bytes):	310077

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Document code: WFEE

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/251,882	11/28/2017	9832708	9466-24TSCT	1249

20792 7590 11/08/2017
MYERS BIGEL, P.A.
PO BOX 37428
RALEIGH, NC 27627

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

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

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

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

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

Peter D. Karabinis, Cary, NC;
Telcom Ventures, LLC, Miami, FL;
Rajendra SINGH, Indian Creek Village, FL;

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IR103 (Rev. 10/09)

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 138517

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☑ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Telcom Ventures LLC

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	6-25-2019
Name	Serge G. Martin		
Title	Executive Vice President - Telcom Ventures LLC		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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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Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82A (07-13)
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TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	15/251,882
Filing Date	2016-08-30
First Named Inventor	Peter D. Karabinis
Title	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
Art Unit	2641
Examiner Name	Michael T VU
Attorney Docket Number	1348.001US2

SIGNATURE of Applicant or Patent Practitioner

Signature	/Aaron W. Pederson/	Date (Optional)	2019-06-25
Name	Aaron Pederson	Registration Number	58607
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date
15/251,882	2016-08-30

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

[X] I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 138517

OR

[ ] I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

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[X] The address associated with the above-mentioned Customer Number

OR

[ ] The address associated with Customer Number: 138517

OR

[ ] Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

TLV

[ ] Inventor or Joint Inventor (title not required below)

[ ] Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

[X] Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

[ ] Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	2019-06-25
Name	Peter D. Karabinis		
Title			

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

[ ] Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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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POWER OF ATTORNEY BY APPLICANT

No more than ten (10) patent practitioners total may be appointed as set forth below by name and registration number. This page need not be submitted if appointing the Patent Practitioner(s) associated with a Customer Number (see form PTO/AIA/82B):

Name	Registration 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 the Freedom of Information Act requires disclosure of these records.
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 inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	36403436
Application Number:	15251882
International Application Number:	
Confirmation Number:	1249
Title of Invention:	MOBILE DEVICE MODE ENABLEMENT RESPONSIVE TO A PROXIMITY CRITERION
First Named Inventor/Applicant Name:	Peter D. Karabinis
Customer Number:	20792
Filer:	Aaron Wesley Pederson
Filer Authorized By:	
Attorney Docket Number:	9466-24TSCT
Receipt Date:	25-JUN-2019
Filing Date:	30-AUG-2016
Time Stamp:	14:22:47
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	TLV-Post_AIA_POA_SIGNED.pdf	58874 63651f6a448b0083f58113bc773628cf4f20ee3b	no	1

Warnings:

Information:					
2	Transmittal Letter	1348-001US2_POA_Trans.pdf	212087 58a44d7d2b931a9ed0b8cf3f3be7c528ed09087d	no	4
Warnings:					
Information:					
			Total Files Size (in bytes):	270961	

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/251,882	08/30/2016	Peter D. Karabinis	9466-24TSCT

CONFIRMATION NO. 1249

POWER OF ATTORNEY NOTICE

20792
MYERS BIGEL, P.A.
PO BOX 37428
RALEIGH, NC 27627

OC000000109289011

Date Mailed: 07/02/2019

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 06/25/2019.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/cvorachack/

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/251,882	08/30/2016	Peter D. Karabinis	1348.001US2

CONFIRMATION NO. 1249

POA ACCEPTANCE LETTER

138517
Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

OC000000109289022

Date Mailed: 07/02/2019

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 06/25/2019.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/cvorachack/