MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Cross-Reference to Related Application

[0001] The present application is a continuation of U.S. Application No. 18/450,517, filed August 16, 2023, which is itself a continuation of U.S. Application No. 17/653,748, filed March 7, 2022, now U.S. Patent No. 11,770,756, which is itself a continuation of U.S. Application No. 15/929,609, filed May 12, 2020, now U.S. Patent No. 11,304,118, which is itself a continuation of U.S. Application No. 16/012,513, filed June 19, 2018, now U.S. Patent No. 10,660,015, which is itself a divisional of U.S. Application No. 15/800,885, filed November 1, 2017, now U.S. Patent No. 10,219,199, which is itself a continuation of U.S. Application No. 15/251,882, filed August 30, 2016, now U.S. Patent No. 9,832,708, which is itself a continuation of U.S. Application No. 12/264,711, filed November 4, 2008, now U.S. Patent No. 9,462,411. The disclosures of which are 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 comprising:

sensing a physiological parameter; then

determining whether or not the physiological parameter sensed satisfies a criterion; then

responsive to the physiological parameter sensed satisfying the criterion, enabling at least one first function; then

while said at least one first function is enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter sensed satisfies the criterion, requesting an authorization to establish a function to conduct a financial transaction; then

responsive to the requesting, receiving the authorization to establish the function to conduct the financial transaction; then

responsive to receiving the authorization, establishing the function to conduct the financial transaction; and then

responsive to satisfying a proximity condition relative to an entity and responsive to sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function that has been established to conduct the financial transaction and conducting the financial transaction by paying for a product;

wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that the physiological parameter sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the physiological parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to the at least one device using unlicensed frequencies; and

wherein said paying for a product further comprises deducting/withdrawing an amount of money from an account.

2. The method of Claim 1, wherein said enabling at least one first function comprises enabling the at least one first function and disabling a second function; and wherein the method further comprises:

repeatedly sensing the physiological parameter and repeatedly deciding, based on comparing the physiological parameter sensed to the criterion, whether or not to maintain enabled said at least one first function while maintaining disabled said second function; and

maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter sensed satisfies the criterion; or

disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter sensed no longer satisfies the criterion.

3. The method of Claim 1, wherein said paying for a product further comprises wirelessly receiving information from at least one device using unlicensed frequencies.

4. The method of Claim 3,

wherein said wirelessly transmitting information to the at least one device using unlicensed frequencies and said wirelessly receiving information from at least one device using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in a Time Division Duplex operation; and

wherein said selectively and wirelessly transmitting information to the at least one device further comprises selectively and wirelessly transmitting information to the access point maintained by the vendor at the point of purchase counter and to at least one other device that is predetermined; and further comprises wirelessly receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.

5. A wireless device that comprises a smartphone and a sensor; wherein the wireless device is configured to perform operations comprising:

sensing, by the sensor, a physiological parameter of a user of the wireless device; then

determining whether or not the physiological parameter sensed satisfies a criterion; then

responsive to the physiological parameter sensed satisfying the criterion, enabling at least one first function of the wireless device; then

while said at least one function is enabled, responsive to having sensed the physiological parameter and responsive to having determined that the physiological parameter sensed satisfies the criterion, requesting from a second device an authorization to establish a function to conduct a financial transaction; then

responsive to the requesting, receiving from the second device the authorization to establish the function to conduct the financial transaction; then

responsive to receiving the authorization, establishing at the wireless device the function to conduct the financial transaction; and then

responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function that has been established at the wireless device to conduct the financial transaction and conducting the financial transaction by paying for a product;

wherein said paying for a product comprises sensing that the proximity condition is satisfied relative to an access point maintained by a vendor at a point of purchase counter, by detecting a short-range signal that is transmitted by the access point, determining that the physiological parameter sensed satisfies the criterion and then, responsive to having sensed that the proximity condition is satisfied relative to the access point and having determined that the physiological parameter sensed satisfies the criterion, paying for the product by selectively sending information to at least one device;

wherein said paying for the product by selectively sending information to at least one device comprises selectively and wirelessly transmitting information to the at least one device using unlicensed frequencies; and

wherein said paying for a product further comprises deducting/withdrawing an amount of money from an account.

6. The wireless device of Claim 5, wherein said enabling at least one first function of the wireless device comprises enabling the at least one first function of the wireless

device and disabling a second function of the wireless device; and wherein the operations further comprise:

repeatedly sensing the physiological parameter and repeatedly deciding, based on comparing the physiological parameter sensed to the criterion, whether or not to maintain enabled said at least one first function while maintaining disabled said second function; and

maintaining enabled said at least one first function while maintaining disabled said second function responsive to deciding that the physiological parameter sensed satisfies the criterion; or

disabling said at least one first function and enabling said second function responsive to deciding that the physiological parameter sensed no longer satisfies the criterion.

7. The wireless device of Claim 5, wherein said conducting the financial transaction by paying for a product comprises:

establishing by the wireless device a short-range wireless link with the entity;

wirelessly transmitting information to the entity using unlicensed frequencies; and

wirelessly receiving information from the entity using unlicensed frequencies;

wherein said wirelessly transmitting information to the entity and said wirelessly receiving information from the entity comprises using unlicensed frequencies in a time division duplex operation; and

wherein said establishing by the wireless device a short-range wireless link with the entity comprises establishing the short-range wireless link with the entity responsive to the wireless device satisfying the proximity condition relative to the entity and responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion.

8. The wireless device of Claim 5, wherein said requesting from a second device an authorization to establish a function to conduct a financial transaction and/or said receiving from the second device the authorization to establish the function to conduct the financial transaction comprises:

establishing by the wireless device a link with the second device, said link comprising a wireless link;

wirelessly transmitting information to the second device over said wireless link using unlicensed and/or licensed frequencies; and

wirelessly receiving information from the second device over said wireless link using unlicensed and/or licensed frequencies;

wherein said wirelessly transmitting information to the second device and/or said wirelessly receiving information from the second device comprises using a WiFi air interface protocol, an orthogonal frequency division multiplexing air interface protocol and/or an orthogonal frequency division multiple access air interface protocol; and

wherein said establishing by the wireless device a link with the second device comprises establishing the link with the second device responsive to the wireless device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion.

9. The wireless device of Claim 5,

wherein said using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in a Time Division Duplex operation; and

wherein said selectively sending information to at least one device further comprises selectively sending information to the access point maintained by the vendor at the point of purchase counter and to at least one other device that is predetermined; and selectively receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.

10. The wireless device of Claim 5, wherein said paying for a product further comprises wirelessly receiving information from at least one device using unlicensed frequencies.

11. The wireless device of Claim 10,

wherein said wirelessly transmitting information to the at least one device using unlicensed frequencies and said wirelessly receiving information from at least one device using unlicensed frequencies comprises using unlicensed frequencies over a short-range link in a Time Division Duplex operation; and

wherein said selectively and wirelessly transmitting information to the at least one device further comprises selectively and wirelessly transmitting information to the access point maintained by the vendor at the point of purchase counter and to at least one other device that is predetermined; and further comprises wirelessly receiving information from the access point maintained by the vendor at the point of purchase counter and from at least one other device that is predetermined.

ABSTRACT

A method of enabling one or more functions of a device is disclosed. The method includes sensing by a device a physiological parameter of a user of the device. The device determines whether or not the physiological parameter that is sensed satisfies a criterion. Responsive to determining that the physiological parameter that is sensed satisfies the criterion, the device enables a number of functions of the device while disabling a function of the device.

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	First Named Inventor	Peter D. Karabinis
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	24	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/251,834, 5/9/2019, pp. 1-10	☐
	25	U.S. PATENT AND TRADEMARK OFFICE, "Restriction Requirement", Application Serial No. 18/489,517, 11/28/2023, 8 pgs.	☐
	26	U.S. PATENT AND TRADEMARK OFFICE, "Supplemental Notice of Allowability", Application Serial No. 17/653,748, July 28, 2023, 4 pgs.	☐

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US11

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US11

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ 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. See 37 CFR 1.97(e)(1).

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 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Aaron Pederson/	Date (YYYY-MM-DD)	2023-12-13
Name/Print	Aaron Pederson	Registration Number	58607

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour 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.**

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 record s.

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.

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P.O. Box 1450
Alexandria, VA 22313 - 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/539,020	**12/13/2023 06:40:53 PM Z ET**	**1348.002US11**

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8649	FILED BY	SAGE KRUSE
PATENT CENTER #	63605677	FILING DATE	-
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 9

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
ADS1348002US11.pdf	9	Application Data Sheet	2174 KB
Drawings1348002US11.pdf	3	Drawings-only black and white line drawings	126 KB
Declarations1348002US11.pdf	2	Oath or Declaration filed	1993 KB
Track1Request1348002US11.pdf	1	Track One Request	166 KB
IDS1348002US11.pdf	13	Information Disclosure Statement (IDS) Form (SB08)	1256 KB

POA1348002US11.pdf	2	Power of Attorney	388 KB
Specification1348002US11-APP.TEXT.docx	26	Application body structured text document	50 KB
Application1348002US11.pdf	26	Auxiliary PDF of Application	144 KB
TransIDS1348002US11.pdf	2	Transmittal Letter	75 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
ADS1348002US11.pdf	AAB696C493A2FDC49928CA6C8284C5C266E2E601CF3CF02D737A2CF275E5C5F409C014BE10479BD78BCE08236970BE85DAC46DB48CBB9F934A837248B4BD53B0
Drawings1348002US11.pdf	B2E934320B69154C30651E95760BBC2F6D72E58BE64C7DA9432E4C7B28247608C67A55E8C5E702FA9EADE0B76996E963BD9B2B8CAD383E0B2DA68B8C064EEE99
Declarations1348002US11.pdf	EC4FA9AA0A9DA371623B4233D7816D5A14F85F4465DE4CF40546607D2971DBE277A4B96B455CEF050B7A8A8AA603DAA6CE4DD2D110C09B2FFEBA5092AC391E8C
Track1Request1348002US11.pdf	1E3B7364055D464A9A2B8F652B74168F60B2800DE0F4B4B858474969FFC8F62C1B619E675185A93523349B8D7D48C24FE393601370F8A9299933023D5BECAF25
IDS1348002US11.pdf	AA755CCFA87AFEA837EB0C49957246C5682DCFA6F8DA76A618752AAE84E1EE1986821F714FE846C6689A823935125D289F7184935B0A00895C474221819B20B2
POA1348002US11.pdf	9D9C5E41779814819DD4C94F5D221E53479146EF41188B7D61838A031C6504E8426D4BB1EF6A7956FA034D1874126889B3C1ED6EE87EE41438ED96B88D21692F
Specification1348002US11-	7D9D4744376DD08CFB4000897654A4435DD125F8F02DE931B

APP.TEXT.docx	8D61924F930AB9C1360776C050BA07DFF5EA5847D788260208021E62A8D0D2A0F24D3C2E9BD7582
Application1348002US11.pdf	C7726772FA8E380F94D203BD0551CFA83D1D7C23BD1767525B1ABB1C4E1C15931BDDED9ED95CFB4E621E35762E387BE626D6E33FBAEC86A4EDC4B7A41F294477
TransIDS1348002US11.pdf	4A871CDD46BE1DFDD0480B901E405D51C5156ADA670B6C8BC0A32139FF72D4BE2D7536B1D9247CF2ABF6C7FC5E28E1617F46017B914A609414118205E3C27C7A

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 filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/539,020	12/13/2023 06:40:53 PM Z ET	1348.002US11

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8649	FILED BY	SAGE KRUSE
PATENT CENTER #	63605677	AUTHORIZED BY	Aaron Pederson
CUSTOMER #	138517	FILING DATE	-
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Peter D. Karabinis

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 502880	E2023BCI41497509	SAGE KRUSE

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
502880	37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post issuance fees); 37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
2830	PROCESSING FEE, EXCEPT IN PROVISIONAL APPLICATIONS	56.00	1	56.00
2817	REQUEST FOR PRIORITIZED EXAMINATION	1680.00	1	1680.00
2111	UTILITY PATENT APPL. SEARCH FEE	280.00	1	280.00
4011	BASIC FILING FEE- UTILITY	64.00	1	64.00

2311	EXAMINATION OF ORIGINAL PATENT APPLICATION	320.00	1	320.00
			TOTAL AMOUNT:	**$2,400.00**

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 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 09/30/2025. 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.

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	December 13, 2023
First Named Inventor	Peter D. Karabinis
Title	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER
Art Unit	
Examiner Name	
Attorney Docket Number	1348.002US11

SIGNATURE of Applicant or Patent Practitioner

Signature	/Aaron Pederson/	Date (Optional)	2023-12-13
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.

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0035. Public burden for this form is estimated to average 3 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** If filing this completed form by mail, 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 (07-13)
Approved for use through 03/31/2021. 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 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.**

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	Application filed herewith
Applicant	:	Telcom Ventures LLC
Filed	:	December 13, 2023
Art Unit	:	
Examiner	:	
Confirmation No.	:	
Docket No.	:	1348.002US11
Customer No.	:	138517
Title	:	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

INFORMATION DISCLOSURE STATEMENT (IDS)

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

Dear Commissioner:

Pursuant to 37 C.F.R. § 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the filing date of the present application (37 C.F.R. § 1.97(b)(1)).

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), Applicant has not submitted copies of U.S. patents and U.S. patent applications. In accordance with 37 C.F.R. §1.98(a)(2) and §1.98(d), a copy of each foreign patent and/or a copy of each publication, other than U.S. patents and U.S. patent application publications has been provided only for those items listed on the enclosed Form PTO/SB/08 that have not previously been cited by or submitted to the U.S. Patent and Trademark Office in parent application nos., 18/450,517, filed August 16, 2023, 17/653,748, filed March 7, 2022, 15/929,609, filed May 12, 2020, 16/012,513, filed June 19, 2018,

15/800,885, filed November 1, 2017, 15/251,882, filed August 30, 2016, and 12/264,711, filed November 4, 2008.

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98 and the Examiner is respectfully requested to consider the listed references.

Customer No. 138517

Respectfully submitted,

Date: December 13, 2023

/Aaron W. Pederson/
Aaron W. Pederson
Registration No.: 58,607

Attorneys for Applicant
Carlson, Caspers, Vandenburgh &
Lindquist, P.A.
225 S. Sixth St., Ste. 4200
Minneapolis, Minnesota 55402

Tel No. (612) 436-9609

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

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/424 (11-23)

CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION UNDER 37 CFR 1.102(e) (Page 1 of 1)

First Named Inventor:	Peter D. Karabinis	Nonprovisional Application Number (if known):	
Title of Invention:	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently $0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.

2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.

3. The applicable box is checked below:

I. ☑ Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)

i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via USPTO patent electronic filing system.

---OR---

(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.

ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, or the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

II. ☐ Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)

i. A request for continued examination has been filed with, or prior to, this form.
ii. If the application is a utility application, this certification and request is being filed via USPTO patent electronic filing system.
iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

Signature /Aaron Pederson/	Date 2023-12-13
Name (Print/Typed) Aaron Pederson	Practitioner Registration Number 58607

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required.**

☐ *Total of _____ forms are submitted.

PTO/AIA/14 (01-22)
Approved for use through 05/31/2024. 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 contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1348.002US11
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER	

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

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Peter	D.	Karabinis	

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

City	Cary	State/Province	NC	Country of Residence	US

Mailing Address of Inventor:

Address 1	101 Chalon Drive		
Address 2			
City	Cary	**State/Province**	NC
Postal Code	27511	**Country**	US

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

City	Indian Creek Village	State/Province	FL	Country of Residence	US

Mailing Address of Inventor:

Address 1	23 Indian Creek Island Road		
Address 2			
City	Indian Creek Village	**State/Province**	FL
Postal Code	33154	**Country**	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).

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	1348.002US11
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER	

☐ **An Address is being provided for the correspondence Information of this application.**			
Customer Number	138517		
Email Address	docketing@carlsoncaspers.com	Add Email	Remove Email

Application Information:

Title of the Invention	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER		
Attorney Docket Number	1348.002US11	**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	138517		

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1348.002US11
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER	

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	18450517	2023-08-16

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
18450517	Continuation of	17653748	2022-03-07	11770756	2023-09-26
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17653748	Continuation of	15929609	2020-05-12	11304118	2022-04-12
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15929609	Continuation of	16012513	2018-06-19	10660015	2020-05-19
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16012513	Division of	15800885	2017-11-01	10219199	2019-02-26
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15800885	Continuation of	15251882	2016-08-30	9832708	2017-11-28
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15251882	Continuation of	12264711	2008-11-04	9462411	2008-11-04

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

Foreign Priority Information:

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1348.002US11
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER	

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. Add

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	1348.002US11
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER	

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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1348.002US11
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER	

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 Remove

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. [X]

Organization Name	Telcom Ventures LLC		
Mailing Address Information For Applicant:			
Address 1	200 South Biscayne Blvd., 40th Floor		
Address 2			
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. Add

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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1348.002US11
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER	

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.

Remove

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		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. Add

Signature:

Remove

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	/Aaron Pederson/			Date (YYYY-MM-DD)	2023-12-13
First Name	Aaron	Last Name	Pederson	Registration Number	58607

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1348.002US11
	Application Number	
Title of Invention	MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER	

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.**

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).

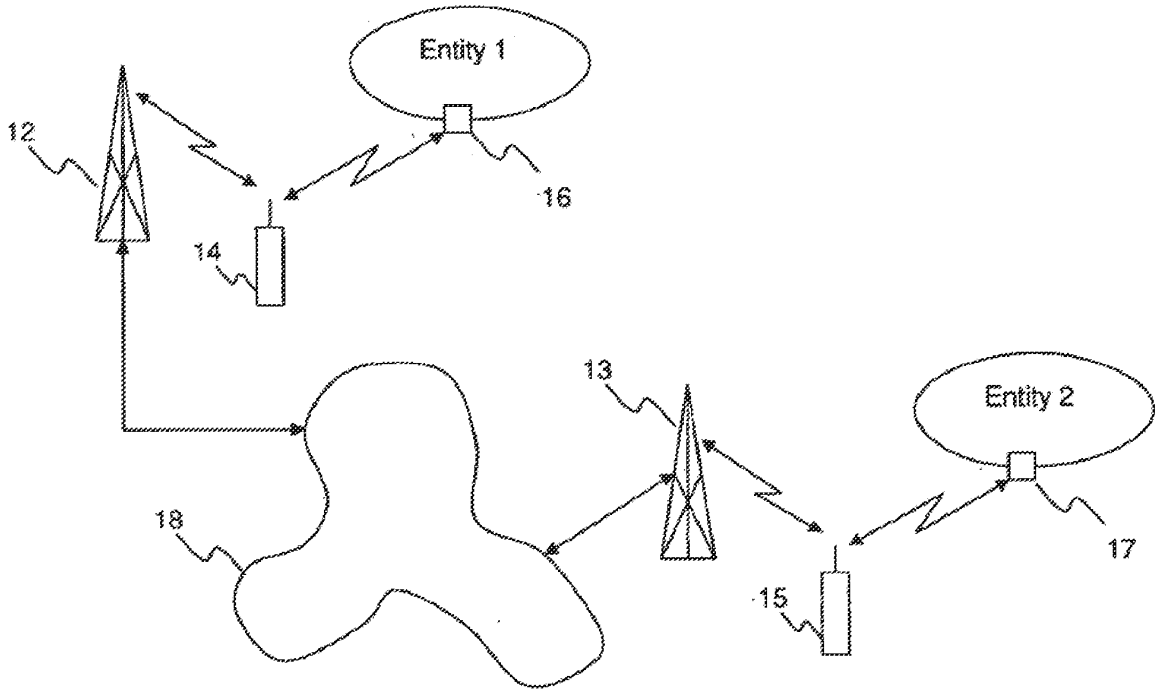
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent CooperationTreaty.

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.

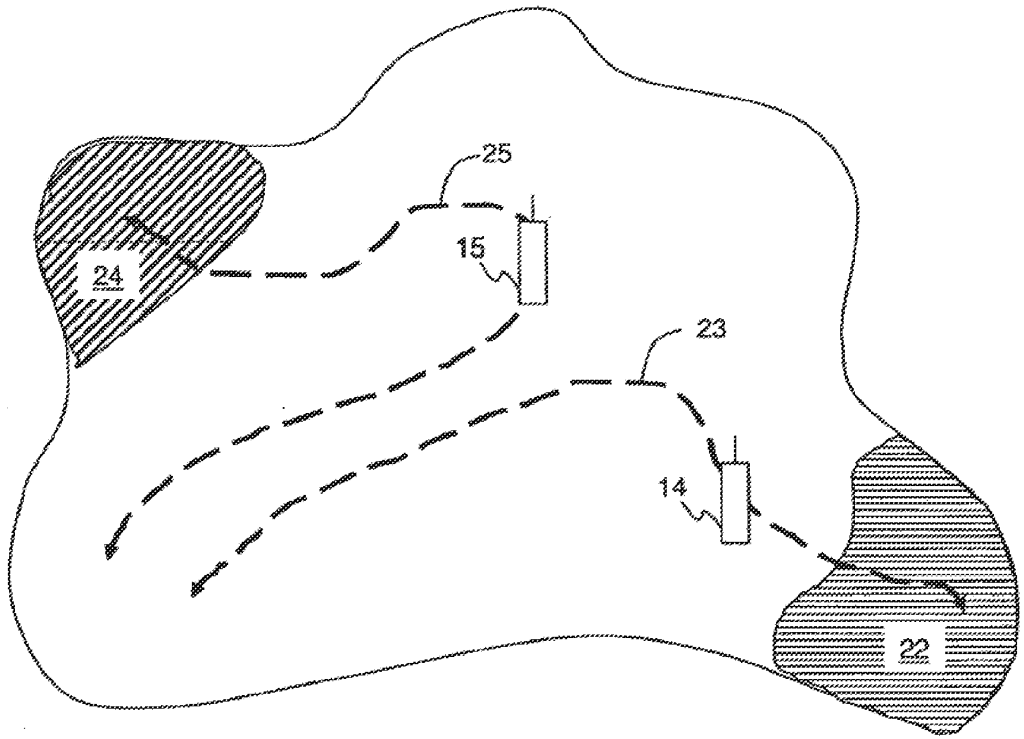
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine 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.



10

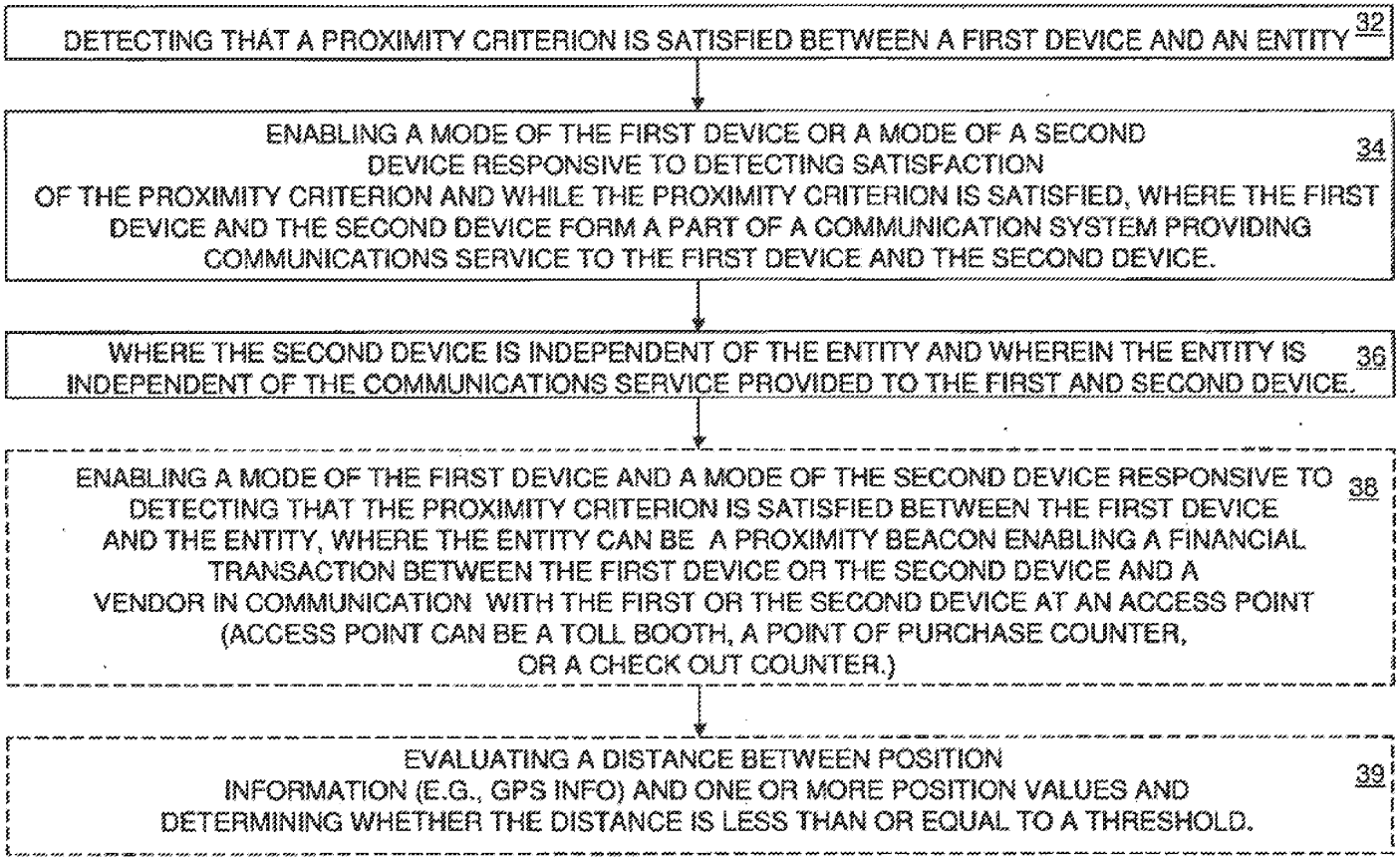
FIG. 1



20

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	18/539,020
Applicant	:	Telcom Ventures LLC
Filed	:	December 13, 2023
Confirmation No.	:	8649
Docket No.	:	1348.002US11
Customer No.	:	138517
Title	:	SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE (As Amended)

PRELIMINARY AMENDMENT

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

Dear Commissioner:

Please amend the above-identified patent application prior to examination as follows.

Amendments to the Specification begin on page 2 of this paper.

Remarks begin on page 3 of this paper.

AMENDMENTS TO THE SPECIFICATION

Please replace the title of the application with the following title:

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Please replace the Abstract of the application with the following Abstract:

Systems/Methods are disclosed of establishing a capability at a smartphone to be able to conduct a financial transaction and then using the established capability in performing the financial transaction by paying for a product. According to some embodiments, said establishing is performed responsive to sensing a physiological parameter and determining that the physiological parameter sensed satisfies a criterion. Then, an authorization to establish said capability is requested and, responsive to receiving the authorization, the capability to be able to conduct the financial transaction is established at the smartphone. The capability that has been established may then be used in performing the financial transaction responsive to the smartphone sensing proximity to an access point maintained by a vendor and responsive to the physiological parameter being sensed and satisfying the criterion.

REMARKS

With this amendment, the specification has been amended to replace the Title and Abstract. No claims are amended. No new matter has been added. Applicant respectfully requests entry of the amendments contained herein and a prompt and favorable action on the merits.

No fees are believed to be due with this filing. If it is determined fees are due, please charge any fees required or credit any overpayment to our Deposit Account No. 502880 from which the undersigned is authorized to draw, during the pendency of this Application.

Respectfully submitted,

Carlson Caspers
225 S. Sixth Street
4200 Capella Tower
Minneapolis, MN 55402

Date: December 15, 2023

By: /Aaron W. Pederson/
Aaron W. Pederson
Reg. No. 58,607
(612) 436-9609

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/539,020	**12/15/2023 01:44:34 PM Z ET**	**1348.002US11**

Title of Invention

MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8649	FILED BY	SAGE KRUSE
PATENT CENTER #	63632847	FILING DATE	-
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 3

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
PrelimAmend134802US11.pdf		3	-	73 KB
PrelimAmend134802US11-A.PE.pdf	(1-1)	1	Preliminary Amendment	66 KB
PrelimAmend134802US11-SPEC.pdf	(2-2)	1	Specification	61 KB
PrelimAmend134802US11-REM.pdf	(3-3)	1	Applicant Arguments/Remarks Made in an Amendment	60 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
PrelimAmend134802US11.pdf	313F788E506EA519BA80EE494FF07A6C1FBE9F620B80180A009AB3BA236A223C06ECF45319BC2F5FC44640857D0EC535A5D8D613AA5C5FCE937BA8BEA08AB14F
PrelimAmend134802US11-A.PE.pdf	517B790B9430F6EF3866D6571742C56A25291C6C12E518D2CF8B32F971F617E556FB85D1BD9C55587081F9D325A8C46D4D5253AA9129DC272B30BE45ACB7A835
PrelimAmend134802US11-SPEC.pdf	64115C4893CECE985BEF42B93C4B7709572FEB370E5A66A8A3DB885A2EC3854E95BCF2B8146565BBE0CFF9FEE6E562BA99C71EEE4934B9DAD3FF6788CCA59E5E
PrelimAmend134802US11-REM.pdf	BA0F885ACC04A519210367E91CD8E332CF45A65C2C162E85A1FDCF5F6B07F793F5E6C5DA7876A9944CD79307C6363027F520361A408588C417C6817E8BCD1C25

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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

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
18/539,020	12/13/2023		664	1348.002US11	11	2

CONFIRMATION NO. 8649

FILING RECEIPT

OC000000066313128

138517
Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

Date Mailed: 12/29/2023

Receipt is acknowledged of this non-provisional utility 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 FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

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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 138517

Domestic Priority data as claimed by applicant

This application is a CON of 18/450,517 08/16/2023
which is a CON of 17/653,748 03/07/2022 PAT 11,770,756
which is a CON of 15/929,609 05/12/2020 PAT 11,304,118
which is a CON of 16/012,513 06/19/2018 PAT 10,660,015
which is a DIV of 15/800,885 11/01/2017 PAT 10,219,199
which is a CON of 15/251,882 08/30/2016 PAT 9,832,708
which is a CON of 12/264,711 11/04/2008 PAT 9,462,411

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

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If Required, Foreign Filing License Granted: 12/27/2023
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/539,020**
Projected Publication Date: 04/04/2024
Non-Publication Request: No
Early Publication Request: No
**** SMALL ENTITY ****
Title

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Preliminary Class

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

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 18/539,020

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	64		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	280		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	320		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	11 minus 20 =	* 0	x =	0	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2 minus 3 =	*	x =	0			
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			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	664		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 NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/539,020	12/13/2023	Peter D. Karabinis	1348.002US11	8649

138517 7590 01/23/2024
Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

EXAMINER
CENTRAL, DOCKET

ART UNIT	PAPER NUMBER
2641	

NOTIFICATION DATE	DELIVERY MODE
01/23/2024	ELECTRONIC

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

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

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

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eofficeaction@appcoll.com

PTOL-90A (Rev. 04/07)

Decision Granting Request for Prioritized Examination (Track I)	**Application No.** 18/539,020	**Applicant(s)** Karabinis et al.	
	Examiner FIKIRTE A GEREMEW	**Art Unit** OMBL	**AIA (FITF) Status** No

1. THE REQUEST FILED 13 December 2023 IS **GRANTED** .

   The above-identified application has met the requirements for prioritized examination
   A. ☑ for an original nonprovisional application (Track I).
   B. ☐ for an application undergoing continued examination (RCE).

2. **The above-identified application will undergo prioritized examination**. The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:

   A. filing a **petition for extension of time** to extend the time period for filing a reply;

   B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims** , or a multiple dependent claim;

   C. filing a **request for continued examination** ;

   D. filing a notice of appeal;

   E. filing a request for suspension of action;

   F. mailing of a notice of allowance;

   G. mailing of a final Office action;

   H. completion of examination as defined in 37 CFR 41.102; or

   I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to FIKIRTE GEREMEW at (703) 756-1930. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.

/FIKIRTE A GEREMEW/ PROGRAM SUPPORT SPECIALIST, OMBL	

U.S. Patent and Trademark Office
PTO-2298 (Rev. 02-2012)

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/539,020	**01/23/2024 04:47:20 PM Z ET**	**1348.002US11**

Title of Invention

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8649	FILED BY	SAGE KRUSE
PATENT CENTER #	64058148	FILING DATE	12/13/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
1348002US11IDS.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1252 KB
NOA18489517.pdf	7	Other reference-Patent/Application/Search Documents	753 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
1348002US11IDS.pdf	8231DFAA98CD5FAB89272D340A3A6798CD06CFFB74F908D1

	D9B0D965E25DEA305BF9B6387EB57C1361FEF4554491228EB76922575BDE1B64E2708B8149857026
NOA18489517.pdf	AF1085CBFCCF4D95EEDC407E0973ECC0CE44A1F42D04D4C098FBA1A5147F2CDCB18FAF0B65CE20D4C7632F4E7DB72BD88816586856F360D5FDFFD08A3CFB2DA0

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

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New International Application Filed with the USPTO as a Receiving Office

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18539020
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	
	Attorney Docket Number	1348.002US11

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18539020
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	
	Attorney Docket Number	1348.002US11

	1	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 18/489,517, January 12, 2024, 12 pgs.	☐

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Examiner Signature		Date Considered	

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[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18539020
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	
	Attorney Docket Number	1348.002US11

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Aaron Pederson/	Date (YYYY-MM-DD)	2024-01-23
Name/Print	Aaron Pederson	Registration Number	58607

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour 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.**

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 record s.

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.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/539,020	**02/09/2024 05:51:17 PM Z ET**	**1348.002US11**

Title of Invention

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8649	FILED BY	SAGE KRUSE
PATENT CENTER #	64280221	FILING DATE	12/13/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
IDS1348002US11.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1257 KB
18523863NOA.pdf	9	Other reference-Patent/Application/Search Documents	908 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
IDS1348002US11.pdf	2F0CA1D792081F3152A92E09C242CEE8DA77F6FB15B58476C2E938A59A775FBE99091C5703DD242C6B6FD7A052B6BC1A61F128D6845067606DDEF9269DD7F905

18523863NOA.pdf

3F0C9B32B345352754C6BCFAC1022CD7485BB4AF5DD0AA6F
B27D33CBB207B85A1BF28C43E5D773F6C2644DE12A69C9CC
388DED6D8831D4640795905B60958646

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 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/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
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 contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	18539020
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Docket CENTRAL
	Attorney Docket Number	1348.002US11

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	7233260	B2	2007-06-19	Tang et al.	

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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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, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18539020
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	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Docket CENTRAL
	Attorney Docket Number	1348.002US11

	1	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 18/523,863, 02/06/2024, pp. 10	☐

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

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	18539020
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Docket CENTRAL
	Attorney Docket Number	1348.002US11

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ 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. See 37 CFR 1.97(e)(1).

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 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	
Name/Print	Aaron Pederson	Registration Number	58607

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour 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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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.

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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of References Cited	Application/Control No. 18/539,020	Applicant(s)/Patent Under Reexamination Karabinis et al.	
	Examiner WILLIAM NEALON	Art Unit 2643	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-8646060-B1	2014-02-04	Ben Ayed; Mourad	H04W4/20	726/9
*	B	US-20110314539-A1	2011-12-22	Horton; Michael	H04W12/30	726/20
*	C	US-20070250393-A1	2007-10-25	Alberth; William P. JR.	G06Q30/0613	705/26.41
*	D	US-20070197261-A1	2007-08-23	Humbel; Roger Marcel	H04L63/0853	455/558
*	E	US-20060165060-A1	2006-07-27	Dua; Robin	G06Q20/322	705/76
*	F	US-20060145893-A1	2006-07-06	Hassett; John J.	G07B15/063	340/901
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Country	Name	CPC Classification
	N	WO-2007109574-A2	2007-09-27	WO	ALBERTH W	G06Q20/102
	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 YYYY-MM-DD format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/539,020	Karabinis et al.
	Examiner	**Art Unit**
	WILLIAM NEALON	2643

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04W 4/029, 80, 023; 48/04; 88/06.	03/15/2024	W. Nealon
H04L 67/52.	03/15/2024	W. Nealon
G06Q 30/0601.	03/15/2024	W. Nealon

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
455	456.3		

* 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**
Reviewed related applications - parent and co-pending.	03/15/2024	W. Nealon
Searched and reviewed references disclosed on IDS filed .	03/15/2024	W. Nealon
Inventors search using PE2E Search.	03/15/2024	W. Nealon
Searched related non-patent literature.	03/15/2024	W. Nealon
Searched within PE2E databases US-PGPUB, USPAT and DERWENT.	03/15/2024	W. Nealon

/WILLIAM NEALON/ Primary Examiner, Art Unit 2643	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/539,020	Karabinis et al.
	Examiner	Art Unit
	WILLIAM NEALON	2643

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/WILLIAM NEALON/ Primary Examiner, Art Unit 2643	

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/539,020	Karabinis et al.
	Examiner	**Art Unit**
	WILLIAM NEALON	2643

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

CLAIMS

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

CLAIM		DATE								
Final	Original	03/15/2024								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								
	10	✓								
	11									

PE2E SEARCH - Search History (Prior Art)

There are no Prior Art searches to show.

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N264	25751	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/26 OR H04W4/14 OR H04W4/003 OR H04W12/08).CPC. and @ad<"20151221"	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N265	7015	(455/411).ccls. and @ad<"20151221"	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N266	31346	N121 OR N122	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N267	1420	N121 and N122	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N268	36	(((trusted or issuer) NEAR server) and (biometric with authenticat$4)).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N269	61	N123 and (identi$5 NEAR6 (phone number) with carrier)	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N270	719	"S114" and (network WITH identity)	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N271	61	N126	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N272	61	N126	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N273	20	N126 and (network WITH identity)	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N274	0	N126 and (network WITH identity).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N275	17	(US-20150347734-$ or US-20100287369-$ or US-20110314530-$ or US-20140230032-$ or US-20150028996-$ or US-20150095999-$ or US-20070169182-$ or US-20100242102-$ or US-20130179692-$ or	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM

		US-20130227651-$ or US-20140205077-$ or US-20090080708-$).did. or (US-9215321-$ or US-9246908-$ or US-9548979-$ or US-9262612-$).did. or (US-20100175121-$).did.					
N276	25751	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/26 OR H04W4/14 OR H04W4/003 OR H04W12/08).CPC. and @ad<"20151221"	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N277	7015	(455/411).ccls. and @ad<"20151221"	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N278	31346	N133 OR N134	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N279	61	N135 and (identi$5 NEAR6 (phone number) with carrier)	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N285	34	N153 and ((second NEAR (authenticat$4 OR authori$7)) and (network NEAR identi$9)).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N286	18	(US-20150347734-$ or US-20100287369-$ or US-20110314530-$ or US-20140230032-$ or US-20150028996-$ or US-20150095999-$ or US-20070169182-$ or US-20100242102-$ or US-20130179692-$ or US-20130227651-$ or US-20140205077-$ or US-20090080708-$ or US-20150358317-$).did. or (US-9215321-$ or US-9246908-$ or US-9548979-$ or US-9262612-$).did. or (US-20100175121-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N287	2	N155 and (second NEAR (authenticat$4 OR authori$7)).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
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		US-20140230032-$ or US-20150028996-$ or US-20150095999-$ or US-20070169182-$ or US-20100242102-$ or US-20130179692-$ or US-20130227651-$ or US-20140205077-$ or US-20090080708-$ or US-20150358317-$).did. or (US-9215321-$ or US-9246908-$ or US-9548979-$ or US-9262612-$).did.					
N308	124	N199 AND ((determin$4 OR check$4 OR validat$4) NEAR4 (application OR app) NEAR4 (loaded OR downloaded OR uploaded)).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N309	3	N202 and ((additional OR second) NEAR3 (authenticat$4 OR authori$7 OR credential)).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N310	28713	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/206 OR H04W4/14 OR H04W4/003 OR H04W12/08 OR H04W4/60 OR H04W4/14).CPC. and @ad<"20151221"	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N318	0	N211 AND ((determin$4 OR check$4 OR validat$4) NEAR4 (application OR app) NEAR4 (loaded OR downloaded OR uploaded)).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/02/01 11:31 AM
N335	26078	(H04W48/04 OR H04W4/29 OR H04W4/80 OR H04W76/10 OR H04L67/52 OR G06Q30/0601 OR H04W4/023 OR H04W88/06).CPC. AND @ad<"20081104"	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/03/15 10:08 AM
N336	397	(Rajendra near2	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/03/15

		Singh).Inv.					10:08 AM
N337	421	(Peter near2 Karabinis).Inv.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/03/15 10:08 AM

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-22)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US11

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Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/W.N/	1	6595929	B2	2003-07-22	Stivoric et al.	
/W.N/	2	6769607	B1	2004-08-03	Pitroda et al.	
/W.N/	3	6944981	B1	2005-09-20	Garberg et al.	
/W.N/	4	6957107	B2	2005-10-18	Rogers et al.	
/W.N/	5	7028897	B2	2006-04-18	Fernandes et al.	
/W.N/	6	7133659	B2	2006-11-07	Zalewski et al.	
/W.N/	7	7155199	B2	2006-12-26	Zalewski et al.	
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/W.N/	9	7503504	B2	2009-03-17	Mitra	
/W.N/	10	7505941	B2	2009-03-17	Bishop et al.	
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/W.N/	12	7624923	B2	2009-12-01	Clark et al.	
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/W.N/	14	7822644	B2	2010-10-26	Alberth Jr. et al.	
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/W.N/	17	8050337	B2	2011-11-01	Karabinis	
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/W.N/	1	"Digital wallet" Wikipedia (4 pages) (Printed on July 10, 2017)	☐
/W.N/	2	"What Are Physiological Biometrics?" THALES, Mar. 2023, www.thalesgroup.com/en/markets/digital-identity-and-security/government/inspired/what-are-physiological-biometrics#:~:text=A%20fingerprint%20is%20an%20example,and%20characteristics%20of%20your%20body. Accessed 20 Jun. 2023.	☐
/W.N/	3	Caen, the city where you pay and get information by taking out your cell phone. 01net.com. 20 October 2005. Retrieved on 4 October 2023 from https://www.01net.com/actualites/caen-la-ville-ou-lon-paye-et-sinforme-en-sortant-son-portable-292660.html	☐
/W.N/	4	Google search results, "when did apple introduce the fingerprint sensor on the iphone?", https://www.google.com/search?q=when+did+apple+introduce+the+fingerprint+sensor+on+the+iphone%3F&rlz=1C5CHFA_enUS1053US1053&oq=&aqs=chrome.0.69i59i450l8.2238j0j15&sourceid=chrome&ie=UTF-8. Searched 17 Oct. 2023.	☐
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/W.N/	23	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/012,513, 07/31/2018, pp. 1-8	☐
/W.N/	24	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/251,834, 5/9/2019, pp. 1-10	☐
/W.N/	25	U.S. PATENT AND TRADEMARK OFFICE, "Restriction Requirement", Application Serial No. 18/489,517, 11/28/2023, 8 pgs.	☐
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Examiner Signature	/WILLIAM NEALON/	Date Considered	03/07/2024

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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OR

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☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

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Signature	/Aaron Pederson/	Date (YYYY-MM-DD)	2023-12-13
Name/Print	Aaron Pederson	Registration Number	58607

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3/7/2024 9:40:33 AM	Google Scholar	H04W4/029 G06F16/29 area registration accept base station wireless device registration area
3/7/2024 9:40:54 AM	Google Scholar	user venue computing device location suggested
3/14/2024 3:59:52 PM	Google	(mobile OR portable OR UE OR device OR phone OR terminal) (H04W4/024 OR G06Q30/0279) (philanthropy OR donation
3/14/2024 4:05:15 PM	Google Patents	**Search Term 1** (user) **Search Term 2** (cell phone) **Search Term 3** (data) **Search Term 4** (image) **Search Term 5** (electronic device) **Before** Priority Date: priority:21080806
3/15/2024 10:15:34 AM	Google Scholar	parameter responsive conducting wireless device function H04W48/04 H04W4/029 transaction sensor biometri
3/15/2024 10:15:43 AM	Google Scholar	parameter responsive conducting wireless device function H04W48/04 H04W4/029 transaction sensor biometric proximate

date, time	web site	search string
3/15/2024 10:15:50 AM	Google Patents	**Search Term 1** responsive **Search Term 2** conducting **Search Term 3** wireless device **Search Term 4** function **Search Term 5** H04W48/04 H04W4/029 **Search Term 6** transaction **Search Term 7** sensor **Search Term 8** biometric **Search Term 9** proximate **Before** Priority Date: priority:20081104
3/15/2024 10:15:56 AM	Google Scholar	responsive conducting wireless device H04W48/04 H04W4/029 transaction sensor biometric proximate
3/15/2024 10:16:20 AM	Google Patents	**Search Term 1** wireless device **Search Term 2** H04W48/04 H04W4/029 **Search Term 3** transaction **Search Term 4** sensor **Search Term 5** biometric **Search Term 6** proximate **Before** Priority Date: priority:20081104
3/15/2024 10:17:06 AM	Google Scholar	(conducting financ) (wireless device) (H04W48/04 H04W4/029) (transaction) (sensor) (biometric) (proximate)

date, time	web site	search string
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Bibliographic Data

Application No: 18/539,020

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

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Title: SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
12/13/2023 **RULE**	455	2643	1348.002US11

APPLICANTS

Telcom Ventures LLC, Miami, FL, UNITED STATES

INVENTORS

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Rajendra Singh, Indian Creek Village, FL, UNITED STATES

CONTINUING DATA

This application is a CON of 18450517 08/16/2023

18450517 is a CON of 17653748 03/07/2022 PAT 11770756

17653748 is a CON of 15929609 05/12/2020 PAT 11304118

15929609 is a CON of 16012513 06/19/2018 PAT 10660015

16012513 is a DIV of 15800885 11/01/2017 PAT 10219199

15800885 is a CON of 15251882 08/30/2016 PAT 9832708

15251882 is a CON of 12264711 11/04/2008 PAT 9462411

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Doc description: Information Disclosure Statement (IDS) Filed

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18539020
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Docket CENTRAL
	Attorney Docket Number	1348.002US11

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	1	7233260	B2	2007-06-19	Tang et al.	

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/W.N/	1	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 18/523,863, 02/06/2024, pp. 10	☐

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Examiner Signature	/WILLIAM NEALON/	Date Considered	03/07/2024

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☐ See attached certification statement.

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☒ A certification statement is not submitted herewith.

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	
Name/Print	Aaron Pederson	Registration Number	58607

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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.

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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.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

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	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	
	Attorney Docket Number	1348.002US11

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	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	
	Attorney Docket Number	1348.002US11

/W.N/	1	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 18/489,517, January 12, 2024, 12 pgs.	☐

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Examiner Signature	/WILLIAM NEALON/	Date Considered	03/07/2024

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Signature	/Aaron Pederson/	Date (YYYY-MM-DD)	2024-01-23
Name/Print	Aaron Pederson	Registration Number	58607

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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L306	63	L80 and (((trusted or issuer) NEAR server) and (biometric with authenticat$4))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L307	138	L80 and ((device OR terminal) NEAR2 issuer)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L308	71	L92 and (biometric)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L309	1177	L80 and (biometric NEAR4 (server OR service))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L310	27	L94 and ((mobile OR terminal OR device) NEAR5 caller)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L311	237	L94 and (enterprise)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L312	12	L94 and (biometric SAME (enterprise NEAR (server OR service)))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L313	8	"9246908"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
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L315	11968	(455/411).ccls. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L316	50355	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/26 OR H04W4/14 OR H04W4/003 OR H04W12/08).CPC. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L317	59871	L100 or L101	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM

L318	15	L102 and (identity NEAR6 (phone number) with carrier)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L319	1	L102 and (eligible near3 biometric near4 authentication)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L320	138	("7590538" | "8401539" | "8965770" | "9007473" | "9082055" | "9225701" | "9247037" | "9262612").PN. OR ("9548979").URPN.	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2024/02/01 11:24 AM
L321	3700	("1559320" | "20010005859" | "20010020259" | "20010027396" | "20010029455" | "20010030660" | "20010032080" | "20010041021" | "20010042107" | "20010044724" | "20010047264" | "20010056342" | "20010056347" | "20020001395" | "20020002039" | "20020002413" | "20020002461" | "20020004703" | "20020010581" | "20020010584" | "20020010726" | "20020010798" | "20020013707" | "20020013784" | "20020013852" | "20020015024" | "20020015064" | "20020021278" | "20020026315" | "20020026456" | "20020031254" | "20020031262" | "20020032048" | "20020032564" | "20020032751" | "20020035467" | "20020035469" | "20020035474" | "20020040359" | "20020042707" | "20020045438" | "20020045961" | "20020046025" | "20020046315" | "20020052730" |	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2024/02/01 11:24 AM

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		| "7613264" | "7614008" | "7617094" | "7620407" | "7620549" | "7623119" | "7624007" | "7627481" | "7630901" | "7633076" | "7634409" | "7634413" | "7634718" | "7634732" | "7636657" | "7640158" | "7640160" | "7643990" | "7647225" | "7649454" | "7649877" | "7653883" | "7656393" | "7657424" | "7657844" | "7657849" | "7664558" | "7664638" | "7669134" | "7672841" | "7672952" | "7673238" | "7673340" | "7676026" | "7676365" | "7676463" | "7679534" | "7680649" | "7681126" | "7683886" | "7683893" | "7684985" | "7684990" | "7684991" | "7689245" | "7689408" | "7689409" | "7689421" | "7693715" | "7693717" | "7693719" | "7693720" | "7698131" | "7702500" | "7702508" | "7706510" | "7707026" | "7707027" | "7707032" | "7707221" | "7707267" | "7710262" | "7711129").PN. OR ("7711550" | "7711565" | "7711672" | "7712053" | "7716056" | "7716216" | "7720674" | "7720683" | "7721226" | "7721301" | "7724242" | "7725307" | "7725318" | "7725320" | "7725321" | "7725838" | "7729904" | "7729916" | "7734461" | "7735012" | "7739588" | "7742953" | "7743188" | "7747616" | "7752152" | "7756868" | "7757173" | "7757182" | "7761296" | "7763842" | "7774204" | "7774388" | "7778432" | "7778595" | "7778632" | "7779353" | "7779356" | "7779357" | "7783283" | "7783486" | "7788590" | "7797265" | "7797269" | "7797331" | "7801721" | "7801728" | "7801729" | "7805299" | "7809565" | "7809569" | "7809570" | "7809610"					

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L322	139	L106 and ((terminal OR phone OR device) NEAR3 issu$4)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM

L323	108	L107 and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L324	7	L108 and credential	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L325	33	L108 and authenticat$4	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L326	6	L106 and ((terminal OR phone OR device) NEAR3 issuer)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L327	50	L106 and ((terminal OR phone OR device) NEAR3 issued)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L328	9	L106 and ((terminal OR phone OR device) with issuer)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L329	33	(US-20150347734-$ or US-20100287369-$ or US-20110314530-$ or US-20140230032-$ or US-20150028996-$ or US-20150095999-$ or US-20070169182-$ or US-20100242102-$ or US-20130179692-$ or US-20130227651-$ or US-20140205077-$ or US-20090080708-$).did. or (US-9215321-$ or US-9246908-$ or US-9548979-$ or US-9262612-$).did. or (US-20100175121-$).did.	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L330	0	L114 and (network identity)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L331	7	L114 and (network WITH identity)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L332	4	L114 and (network NEAR4 identity)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L333	8	"7,310,734"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L334	98	"7310734"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L335	16	L119 and (network NEAR4 identity)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L336	98	"7310734"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L337	16	L139 and (network NEAR4 identity)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L338	50355	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM

		H04L63/0861 OR H04L67/26 OR H04W4/14 OR H04W4/003 OR H04W12/08).CPC. and @ad<"20151221"					
L339	11968	(455/411).ccls. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L340	59871	L141 OR L142	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L341	2452	L141 AND L142	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L342	2113	L143 and (biometric (authenticat$4 OR authori$7))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L343	17	L145 and (determin$4 NEAR (identity OR name) NEAR4 (device OR terminal or mobile))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L344	483	L145 and ((terminal OR phone OR device) with issue$2)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L345	94	L147 and (second NEAR (authenticat$4 OR authori$7))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L346	35	(US-20150347734-$ or US-20100287369-$ or US-20110314530-$ or US-20140230032-$ or US-20150028996-$ or US-20150095999-$ or US-20070169182-$ or US-20100242102-$ or US-20130179692-$ or US-20130227651-$ or US-20140205077-$ or US-20090080708-$ or US-20150358317-$).did. or (US-9215321-$ or US-9246908-$ or US-9548979-$ or US-9262612-$).did. or (US-20100175121-$).did.	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L347	3	L148 AND L149	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L348	1	(US-20100175121-$).did.	(DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L349	1	(US-20100175121-$).did.	(DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L350	35	(US-20070169182-$ or US-20090080708-$ or US-20100242102-$ or US-20100287369-$ or US-20110314530-$ or	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM

		US-20130179692-$ or US-20130227651-$ or US-20140205077-$ or US-20140230032-$ or US-20150028996-$ or US-20150095999-$ or US-20150347734-$ or US-20150358317-$).did. or (US-9215321-$ or US-9246908-$ or US-9262612-$ or US-9548979-$).did. or (US-20100175121-$).did.					
L351	35	(US-20070169182-$ or US-20090080708-$ or US-20100242102-$ or US-20100287369-$ or US-20110314530-$ or US-20130179692-$ or US-20130227651-$ or US-20140205077-$ or US-20140230032-$ or US-20150028996-$ or US-20150095999-$ or US-20150347734-$ or US-20150358317-$).did. or (US-9215321-$ or US-9246908-$ or US-9262612-$ or US-9548979-$).did. or (US-20100175121-$).did.	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L352	50496	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/206 OR H04W4/14 OR H04W4/003 OR H04W12/08 OR H04W4/60 OR H04W4/14).CPC. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L353	11968	(455/411).ccls. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L354	59945	L161 OR L162	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L355	3047	L163 AND (biometric NEAR2 (authenticat$4 OR authori$7))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L356	50496	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM

		H04L63/0861 OR H04L67/206 OR H04W4/14 OR H04W4/003 OR H04W12/08 OR H04W4/60 OR H04W4/14).CPC. and @ad<"20151221"					
L357	11968	(455/411).ccls. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L358	59945	L170 OR L171	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L359	3047	L172 AND (biometric NEAR2 (authenticat$4 OR authori$7))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L360	31	L173 and (receiv$4 OR send$4 OR transmit$5) NEAR4 (indicat$5 NEAR4 (biometric NEAR (authenticat$4 OR authori$7 OR credential)))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L361	31	L173 and ((receiv$4 OR send$4 OR transmit$5) NEAR4 (indicat$5 NEAR4 (biometric NEAR (authenticat$4 OR authori$7 OR credential))))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L362	35	(US-20070169182-$ or US-20090080708-$ or US-20100242102-$ or US-20100287369-$ or US-20110314530-$ or US-20130179692-$ or US-20130227651-$ or US-20140205077-$ or US-20140230032-$ or US-20150028996-$ or US-20150095999-$ or US-20150347734-$ or US-20150358317-$).did. or (US-9215321-$ or US-9246908-$ or US-9262612-$ or US-9548979-$).did. or (US-20100175121-$).did.	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L363	50496	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/206 OR H04W4/14 OR	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM

		H04W4/003 OR H04W12/08 OR H04W4/60 OR H04W4/14).CPC. and @ad<"20151221"					
L364	11968	(455/411).ccls. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L365	59945	L189 OR L190	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L366	2519	L189 AND L190	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L367	3047	L191 AND (biometric NEAR2 (authenticat$4 OR authori$7))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L368	0	L193 AND ((determin$4 OR check$4 OR validat$4) NEAR4 (application OR app) NEAR4 (loaded OR downloaded OR uploaded))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L369	2175	L193 AND ((determin$4 OR check$4 OR validat$4) NEAR4 (Id OR identifier OR identification OR password OR uname OR user OR credential))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L370	2175	L193 AND L195	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L371	0	L195 AND L194	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L372	35	(US-20150347734-$ or US-20100287369-$ or US-20110314530-$ or US-20140230032-$ or US-20150028996-$ or US-20150095999-$ or US-20070169182-$ or US-20100242102-$ or US-20130179692-$ or US-20130227651-$ or US-20140205077-$ or US-20090080708-$ or US-20150358317-$).did. or (US-9215321-$ or US-9246908-$ or US-9548979-$ or US-9262612-$).did. or (US-20100175121-$).did.	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L373	31	(US-20150347734-$ or US-20100287369-$ or US-20110314530-$ or	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM

		US-20140230032-$ or US-20150028996-$ or US-20070169182-$ or US-20100242102-$ or US-20130179692-$ or US-20140205077-$ or US-20090080708-$ or US-20150358317-$ or US-20140040979-$).did. or (US-9215321-$ or US-9246908-$ or US-9262612-$).did. or (US-20100175121-$).did.					
L374	50496	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/206 OR H04W4/14 OR H04W4/003 OR H04W12/08 OR H04W4/60 OR H04W4/14).CPC. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L375	11968	(455/411).ccls. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L376	59945	L215 OR L216	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L377	34299	biometric (authenticat$4 OR authori$7)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L378	11968	(455/411).ccls. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L379	50355	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/26 OR H04W4/14 OR H04W4/003 OR H04W12/08).CPC. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L380	59871	L219 or L220	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L381	2113	L218 and L221	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L382	260	L222 and ((device OR terminal or mobile) NEAR3 issue$1)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L383	78	L223 and issuer	(US-PGPUB; USPAT;	ADJ	ON	ON	2024/02/01

			DERWENT)				11:24 AM
L384	48	("20050149758" | "20050221798" | "20050286722" | "20080216171" | "20110162053" | "20110225426" | "20120206335" | "20120317024" | "20140089672" | "8430310" | "8555077").PN. OR ("9684778").URPN.	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2024/02/01 11:24 AM
L385	34299	biometric (authenticat$4 OR authori$7)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L386	18	L226 and (determin$4 NEAR4 (app OR application) NEAR4 downloaded)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L387	50355	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/26 OR H04W4/14 OR H04W4/003 OR H04W12/08).CPC. and @ad<"20151221"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L388	57	L228 and ((device OR terminal) NEAR issuer)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L389	20	L229 and (biometric NEAR authenticat$4)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L390	38	L229 and (biometric with authenticat$4)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L391	18	L231 not L230	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L392	59945	L215 OR L216	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L393	3047	L233 AND (biometric NEAR2 (authenticat$4 OR authori$7))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L394	0	L234 AND ((determin$4 OR check$4 OR validat$4) NEAR4 (application OR app) NEAR4 (loaded OR downloaded OR uploaded))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L395	384	(Tuomikoski OR tijerina).Inv.	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L396	14	(Tuomikoski AND	(US-PGPUB; USPAT;	ADJ	ON	ON	2024/02/01

		tijerina).Inv.	DERWENT)				11:24 AM
L397	12069	(455/411).ccls. and @ad<"20161220"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L398	59376	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/26 OR H04W4/14 OR H04W4/003 OR H04W12/08).CPC. and @ad<"20161220"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L399	24931	(H04M1/67 OR G06F21/32 OR G06F21/316 OR G06K9/628 OR G06K9/00335).CPC. and @ad<"20161220"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L400	36387	L252 OR L254	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L401	613	L252 AND L254	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L402	3580	L254 AND (biometric (authenticat$5 OR authori$7))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L403	972	L255 AND ((motion OR moving OR movement) NEAR6 (authenticat$5 OR authori$7))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L404	31	(US-20150347734-$ or US-20100287369-$ or US-20110314530-$ or US-20140230032-$ or US-20150028996-$ or US-20070169182-$ or US-20100242102-$ or US-20130179692-$ or US-20140205077-$ or US-20090080708-$ or US-20150358317-$ or US-20140040979-$).did. or (US-9215321-$ or US-9246908-$ or US-9262612-$).did. or (US-20100175121-$).did.	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L405	0	L259 AND ((motion OR moving OR movement) NEAR6 (authenticat$5 OR authori$7))	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L406	0	L259 AND ((motion OR moving OR movement)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM

		NEAR9 (authenticat$5 OR authori$7))					
L407	216	L258 AND (regist$4 NEAR user)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L408	1	(((US-20100175121-A1).did AND DWPI.dbnm) OR ((US-20150046996-A1 OR US-20150095999-A1 OR US-20090080708-A1 OR US-20150347734-A1 OR US-20130227651-A1 OR US-20150073998-A1 OR US-20100242102-A1 OR US-20150358317-A1 OR US-20140205077-A1 OR US-20100287369-A1 OR US-20140040979-A1 OR US-20140230032-A1 OR US-20110314530-A1 OR US-20150007295-A1 OR US-20150028996-A1 OR US-20070169182-A1 OR US-20130179692-A1).did AND PGPB.dbnm) OR ((US-9380045-B2 OR US-9215321-B2 OR US-9246908-B2 OR US-9262612-B2 OR US-9548979-B1).did AND USPT.dbnm)) AND short range	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM
L409	7	(((US-20100175121-A1).did AND DWPI.dbnm) OR ((US-20150046996-A1 OR US-20150095999-A1 OR US-20090080708-A1 OR US-20150347734-A1 OR US-20130227651-A1 OR US-20150073998-A1 OR US-20100242102-A1 OR US-20150358317-A1 OR US-20140205077-A1 OR US-20100287369-A1 OR US-20140040979-A1 OR US-20140230032-A1 OR US-	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 11:24 AM

		20110314530-A1 OR US-20150007295-A1 OR US-20150028996-A1 OR US-20070169182-A1 OR US-20130179692-A1).did AND PGPB.dbnm) OR ((US-9380045-B2 OR US-9215321-B2 OR US-9246908-B2 OR US-9262612-B2 OR US-9548979-B1).did AND USPT.dbnm)) AND proxim$4					
L410	14	(((US-20100175121-A1).did AND DWPI.dbnm) OR ((US-20150046996-A1 OR US-20150095999-A1 OR US-20090080708-A1 OR US-20150347734-A1 OR US-20130227651-A1 OR US-20150073998-A1 OR US-20100242102-A1 OR US-20150358317-A1 OR US-20140205077-A1 OR US-20100287369-A1 OR US-20140040979-A1 OR US-20140230032-A1 OR US-20110314530-A1 OR US-20150007295-A1 OR US-20150028996-A1 OR US-20070169182-A1 OR US-20130179692-A1).did AND PGPB.dbnm) OR ((US-9380045-B2 OR US-9215321-B2 OR US-9246908-B2 OR US-9262612-B2 OR US-9548979-B1).did AND USPT.dbnm)) AND (near$3 OR prox$7 OR range)	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/02/01 12:52 PM
L411	166	("20020170961"|"20030172028"|"20030220105"|"20040030601"|"20040143505"|"20040143550"|"20040170430"|"20050136949"|"20060009234"|"20060085297"|"20	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/03/15 10:00 AM

		060133633"|"20060144933"|"20060145893"|"20060159260"|"20060165060"|"20060172700"|"20060194538"|"20070129077"|"20070167147"|"20070178935"|"20070184837"|"20070197261"|"20070198436"|"20070243872"|"20070250393"|"20070260710"|"20070265984"|"20070285280"|"20080040274"|"20080140667"|"20080140868"|"20080146148"|"20080167966"|"20080200166"|"20080227471"|"20080306868"|"20090023474"|"20090058637"|"20090113543"|"20090153367"|"20090169070"|"20090213947"|"20100067591"|"20100265845"|"20110314539"|"20120214443"|"20130156218"|"6595929"|"6769607"|"6944981"|"6957107"|"7028897"|"7133659"|"7155199"|"7295846"|"7503504"|"7505941"|"7539241"|"7624923"|"7780081"|"7822644"|"7912629"|"8023580"|"8050337"|"8091780"|"8249935"|"8463238"|"8532069"|"8646060"|"8665062"|"8965281"|"RE39736").PN.					
L412	18832	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/26 OR H04W4/14 OR H04W4/003 OR H04W12/08).CPC. AND @ad<"20081104"	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/03/15 10:01 AM
L413	40768	(H04W48/04 OR H04W4/29 OR H04W4/80 OR H04W76/10 OR H04L67/52 OR G06Q30/0601 OR H04W4/023 OR H04W88/06).CPC. AND	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/03/15 10:04 AM

		@ad<"20081104"					
L414	421	(Peter near2 Karabinis).Inv.	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/03/15 10:05 AM
L415	0	(Rajendr near2 Singh).Inv.	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/03/15 10:06 AM
L416	397	(Rajendra near2 Singh).Inv.	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/03/15 10:06 AM
L417	47	L416 AND L414	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/03/15 10:06 AM
L418	1	L413 AND L417	(US-PGPUB; USPAT; DERWENT)	ADJ	ON	ON	2024/03/15 10:07 AM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/539,020	12/13/2023	Peter D. Karabinis	1348.002US11	8649

138517 7590 03/21/2024
Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
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EXAMINER
NEALON, WILLIAM

ART UNIT	PAPER NUMBER
2643	

NOTIFICATION DATE	DELIVERY MODE
03/21/2024	ELECTRONIC

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

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

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

docketing@carlsoncaspers.com
eofficeaction@appcoll.com

PTOL-90A (Rev. 04/07)

Office Action Summary	Application No. 18/539,020	Applicant(s) Karabinis et al.	
	Examiner WILLIAM NEALON	Art Unit 2643	AIA (FITF) 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 12/13/2023.

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

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

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

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

Disposition of Claims*

5) ☑ Claim(s) 1-11 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) 1-11 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 12/13/2023 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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

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

Attachment(s)

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

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date 12/13/2023, 01/13/2024 and 12/09/2024.

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

4) ☐ Other: _____.

DETAILED ACTION

1. First Office Action with respect to claims 1-11. Claims 1, 8 and 13 are independent. This application is a continuation of application (CON) of co-pending application 18/450,517 which is a CON of application 17/653,748issued 09/06/2023 as patent 11,770,756.

2. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for a rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

Allowable Subject Matter

3. Claims 1-11 are viewed as comprising allowable subject matter for the same, or similar, reasons as outlined in the allowance of related application 17/653,748.

Double Patenting

4. 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. A nonstatutory double patenting rejection is appropriate where the claims at issue are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d

1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *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) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the reference application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP §§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/forms/. The filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp.

5. Claims 1-11 are rejected on the ground of non-statutory double patenting as being unpatentable over claims 1-5, 9-13, 16-18, 22-24, 26 and 27 of U.S. Patent No. 11,770,756.

Although the claims at issue are not identical, they are not patentably distinct from each other because the independent claims contain the same features as those found in the patent.

Conclusion

6. Applicants are encouraged to contact the Examiner should they have any questions and/pr wish to set up an .

Contact Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bill Nealon at telephone number (571) 270-7795 and/or fax number (571) 270-8795. The examiner can normally be reached Mon-Fri. from 9:00-6:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, Jinsong Hu can be reached on (571) 272-3965. The fax number for the organization where this application or proceeding is assigned is 703-872-9306. 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).

/WILLIAM NEALON/
Primary Examiner, Art Unit 2643

United States Patent and Trademark Office

Office of the Commissioner for Patents

Dear Applicant,

You recently received an Office action from your examiner. Review of your patent application is under way! You can continue to advertise or mark any products covered by your application for your invention as "Patent Pending" for as long as this application is pending. This letter provides information about how to continue through the patent application process and the help available to you on your journey.

Where are you in the patent application process? Your patent application is now in step 3, Application Prosecution (www.uspto.gov/UtilityPatentGuide.) Though the Office action includes a "rejection," that does not mean that you don't have a good idea you can patent. It means your examiner believes your application is not yet ready for allowance.

Ready to respond? Responding to the Office action is your opportunity to address the issues raised by your examiner. Responses must be timely, complete, and in writing. In your response, you may want to consider amending your application (www.uspto.gov/patents/maintain/responding-office-actions).

We provide Pro Se Assistance, support specifically geared for independent inventors without an agent or attorney. Visit www.uspto.gov/ProSePatents for a consolidated list of resources, including a sample amendment format. Full description of amendment formatting can be found at www.uspto.gov/web/offices/pac/mpep/s714.html. Call us at 866-767-3848, or email proseassistancecenter@uspto.gov.

Have questions about the Office action? Contact your examiner! A conversation with your examiner (called an "interview") may help clarify and resolve any issues and possibly identify what you can patent. While an interview does not stop the clock for your official response or substitute for a response, there is no fee for an interview. To schedule a call or video, you can:

1. use the USPTO's Automated Interview Request (AIR) form (www.uspto.gov/patents/uspto-automated-interview-request-air-form);
2. file the Applicant Initiated Interview Request form (PTOL-413A) (www.uspto.gov/sites/default/files/documents/PTOL413A.pdf); or
3. contact your examiner directly via telephone (contact information is provided at the end of your Office action).

Need help near you? We have regional offices across the country (www.uspto.gov/locations), as well as Patent and Trademark Resource Centers in libraries in nearly every state (www.uspto.gov/ptrc), with specialists standing by to help you at no cost.

Become a *registered* electronic filer (registered eFiler). As a registered eFiler, you can electronically view your submission, track progress of your application, and respond to USPTO correspondence. (www.uspto.gov/NewPatentFilers)

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- General information: USPTO Contact Center — 800-786-9199 • TTY/TDD 800-877-8339 • www.uspto.gov/help
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- Inventors Assistance Center www.uspto.gov/inventorassistance

Want to learn more?

- Hear about resources for startups, inventors, and entrepreneurs, as well as our initiatives engaging women, the military community, and others. These programs offer helpful tips and tricks on identifying and managing your IP, finding options for funding, and expanding your network to support your business.
  - www.uspto.gov/startups
  - www.uspto.gov/inventors
  - www.uspto.gov/initiatives
- Access our free services all in one spot. Find all of our contact centers, nationwide services, events, education and training. (www.uspto.gov/FreeServices)
- Connect with us on Instagram, LinkedIn, Twitter, Facebook, and YouTube.
- Hear about the great things we are doing by subscribing at www.uspto.gov/subscribe.

Best,

Vaishali Udupa
Commissioner for Patents
United States Patent and Trademark Office

UNITED STATES
PATENT AND TRADEMARK OFFICE

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/539,020	**03/28/2024 05:43:40 PM Z ET**	**1348.002US11**

Title of Invention

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8649	FILED BY	Aaron Pederson
PATENT CENTER #	64884767	FILING DATE	12/13/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
petition-request.pdf	3	Terminal Disclaimer-Filed (Electronic)	44 KB
grantLetter.pdf	1	Terminal Disclaimer-Electronic-Approved	18 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
petition-request.pdf	009C9585E44AB41E412A4BAB3DE4CB9917977B144E134D89F F7B1BCD6DC4F34C1B4F06C60BAF79B587C2AB3EFC50C1E5 1DB1C0B30BCE4BE75A1678D41A386320

grantLetter.pdf

A7E28918EB3028B81C09E456F426C4A6015F59520D85D56790
408EB20E7AD80CD4A06A850880BAEE2360C5806269D9A4747
4E6B1B3195D26368D552F2E09CB43

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 filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/539,020	**03/28/2024 05:43:40 PM Z ET**	**1348.002US11**

Title of Invention

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8649	FILED BY	Aaron Pederson
PATENT CENTER #	64884767	AUTHORIZED BY	-
CUSTOMER #	138517	FILING DATE	12/13/2023
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Peter D. Karabinis

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 502880	**E20243RH44019314**	**Aaron Pederson**

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
502880	**37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post Issuance fees)**

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
2814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	170.00	1	170.00
			TOTAL AMOUNT:	**$170.00**

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 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

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Commissioner for Patents
United States Patent and Trademark Office
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APPROVAL LETTER

APPLICATION #	FILING DATE	APPLICANT/PATENT UNDER REEXAMINATION
18/539,020	**12/13/2023**	**Peter Karabinis**

Title of Invention

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Electronic terminal disclaimer filed on 03/28/2024

Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A PRIOR PATENT

APPLICATION #	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET #
18539020	**12/13/2023**	**Peter Karabinis**	**1348.002US11**

Title of Invention

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

- ✓ 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%
Total	**100%**

The owner(s) of 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 any patent granted on pending reference Application Number(s)

Application #	Filing Date

as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. 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 any patent granted on the reference application 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 any patent granted on the instant application that would extend to the expiration date of the full statutory term of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that any such patent granted on the pending reference application: 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 shortened by any terminal disclaimer filed prior to its grant.

The owner(s) of 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)

Patent #
11770756

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) included with Electronic Terminal Disclaimer request.

Applicant claims the following entity status:
Small

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

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

Signature	Name	Registration #
/Aaron Pederson/	Aaron Pederson	58607

---

* 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	18/539,020
Applicant	:	Telcom Ventures LLC
Filed	:	December 13, 2023
Art Unit:	:	2643
Confirmation No.:		8649
Examiner	:	William Nealon
Docket No.	:	1348.002US11
Customer No.	:	138517
Title	:	SYSTEMS/METHODS OF ESTABLISHING A CAPAVILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSATION BY A SMARTPHONE

RESPONSE TO NON-FINAL OFFICE ACTION

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

Dear Commissioner:

In response to the Non-Final Office Action mailed March 21, 2024, please consider the following:

Remarks, beginning on page 2 of this paper.

Should any additional fee be deemed to be due for this filing or any other fees required for the subject application, please charge the appropriate amount to Deposit Account No. 502880.

REMARKS

This paper is responsive to the Non-Final Office Action dated March 21, 2024, wherein claims 1-11 were pending and allowed. No amendments are made herein. Reconsideration and further prosecution of the present application is respectfully requested.

Double Patenting

Claims 1-11 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-5, 9-13, 16-18, 22-24, 26 and 27 of U.S. Patent No. 11,770,756. A Terminal Disclaimer with respect to Patent Nos. 11,770,756 is filed concurrently herewith. Applicant respectfully requests withdrawal of the double patenting rejections.

SUMMARY

For the reasons set out above, Applicant respectfully submits that the application is in condition for allowance. Favorable reconsideration and allowance of the application are, therefore, respectfully requested.

If the Examiner believes that anything further is necessary to place the application in better condition for allowance, the Examiner is asked to contact Applicant's undersigned representative at the telephone number below.

Respectfully submitted,

Carlson Caspers
225 S. Sixth Street
4200 Capella Tower
Minneapolis, MN 55402

Date: March 28, 2024

By: /Aaron W. Pederson/
Aaron W. Pederson
Reg. No. 58,607

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/539,020	**03/28/2024 05:49:03 PM Z ET**	**1348.002US11**

Title of Invention

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8649	FILED BY	SAGE KRUSE
PATENT CENTER #	64884868	FILING DATE	12/13/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 2

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
ResptoNFOA1348002US11.pdf		2	-	69 KB
ResptoNFOA1348002US11-A....pdf	(1-1)	1	Amendment/Request for Reconsideration-After Non-Final Rejection	64 KB
ResptoNFOA1348002US11-REM.pdf	(2-2)	1	Applicant Arguments/Remarks Made in an Amendment	58 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)

ResptoNFOA1348002US11.pdf	66FA9ED5481125B6EE783334176958F5416E4D4164FB7867CC7074579440E12443BA803E8D8D2C9EE7039C8FA6F10E7FA2DFF215943130E4FFE3FAF56A94D9CB
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ResptoNFOA1348002US11-REM.pdf	07C5D4BD350661ED369723CC074A8522701E5DA19C1C041D0E11AFADF5DD0CE5D82D3477663D8D0FCD01C962AFC6E0F8EF9F99A94B054892BA7E7D730E531CB9

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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

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New International Application Filed with the USPTO as a Receiving Office

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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
18/539,020	12/13/2023	Peter D. Karabinis	1348.002US11

CONFIRMATION NO. 8649

138517
Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

PUBLICATION NOTICE

OC000000070668102

Date Mailed: 04/05/2024

Title:SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Publication No.US-2024-0114433-A1
Publication Date:04/04/2024

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 Public Records Division. The Public Records Division 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, Public Records Division, 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 https://portal.uspto.gov/pair/PublicPair. 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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

138517 7590 05/13/2024
Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

EXAMINER
NEALON, WILLIAM

ART UNIT	PAPER NUMBER
2643	

DATE MAILED: 05/13/2024

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/539,020	12/13/2023	Peter D. Karabinis	1348.002US11	8649

TITLE OF INVENTION: SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0.00	$0.00	$480	08/13/2024

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 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted 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. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

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

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

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

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

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

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence 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. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

138517 7590 05/13/2024
Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/539,020	12/13/2023	Peter D. Karabinis	1348.002US11	8649

TITLE OF INVENTION: SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0.00	$0.00	$480	08/13/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
NEALON, WILLIAM	2643	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/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or 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 must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

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

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

4a. Fees submitted: ❑Issue Fee ❑Publication Fee (if required)

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

❑ Electronic Payment via the USPTO patent electronic filing system ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

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. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/539,020	12/13/2023	Peter D. Karabinis	1348.002US11	8649

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EXAMINER
NEALON, WILLIAM

ART UNIT	PAPER NUMBER
2643	

DATE MAILED: 05/13/2024

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

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

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

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

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

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

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/ owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013).
https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf

Routine uses of the information in this record may include disclosure to:

1) law enforcement, in the event that the system of records indicates a violation or potential violation of law;
2) a federal, state, local, or international agency, in response to its request;
3) a contractor of the USPTO having need for the information in order to perform a contract;
4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
8) 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));
9) the Office of Personnel Management (OPM) for personnel research purposes; and
10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Notice of Allowability	Application No. 18/539,020	Applicant(s) Karabinis et al.	
	Examiner WILLIAM NEALON	Art Unit 2643	AIA (FITF) 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 terminal disclaimer receeived 03/28/2024.
   ☐ 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 1-11 . 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. _____.
5. ☐ Examiner's Amendment/Comment
6. ☐ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/WILLIAM NEALON/
Primary Examiner, Art Unit 2643

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/539,020	Karabinis et al.
	Examiner	**Art Unit**
	WILLIAM NEALON	2643

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

CLAIMS

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

CLAIM		DATE								
Final	Original	03/15/2024	05/03/2024							
1	1	✓	=							
2	2	✓	=							
3	3	✓	=							
4	4	✓	=							
5	5	✓	=							
6	6	✓	=							
7	7	✓	=							
8	8	✓	=							
9	9	✓	=							
10	10	✓	=							
11	11		=							

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/539,020	Karabinis et al.
	Examiner	**Art Unit**
	WILLIAM NEALON	2643

CPC						
Symbol					**Type**	**Version**
H04W	/	48	/	04	F	2013-01-01
H04W	/	4	/	029	I	2018-02-01
G06Q	/	30	/	0601	I	2013-01-01
H04W	/	4	/	023	I	2013-01-01
H04W	/	4	/	80	I	2018-02-01
H04W	/	76	/	10	I	2018-02-01
H04L	/	67	/	52	I	2022-05-01
H04W	/	88	/	06	A	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 11	
/WILLIAM NEALON/ Primary Examiner, Art Unit 2643 (Primary Examiner)	03 May 2024 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 2

U.S. Patent and Trademark Office

Part of Paper No.: 20240503

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/539,020	Karabinis et al.
	Examiner	**Art Unit**
	WILLIAM NEALON	2643

INTERNATIONAL CLASSIFICATION				
CLAIMED				
H04W48/04	/	48	/	04
H04W4/029	/	4	/	029
G06Q30/0601	/	30	/	0601
H04W4/02	/	4	/	02
H04W4/80	/	4	/	80
H04W76/10	/	76	/	10
H04L67/52	/	67	/	52
H04W88/06	/	88	/	06

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
455	456.3

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 11	
/WILLIAM NEALON/ Primary Examiner, Art Unit 2643 (Primary Examiner)	03 May 2024 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 2

U.S. Patent and Trademark Office

Part of Paper No.: 20240503

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/539,020	Karabinis et al.
	Examiner	**Art Unit**
	WILLIAM NEALON	2643

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10												
2	2	11	11												
3	3														
4	4														
5	5														
6	6														
7	7														
8	8														
9	9														

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 11	
/WILLIAM NEALON/ Primary Examiner, Art Unit 2643 (Primary Examiner)	03 May 2024 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 2

U.S. Patent and Trademark Office Part of Paper No.: 20240503

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/539,020	Karabinis et al.
	Examiner	**Art Unit**
	WILLIAM NEALON	2643

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04W 4/029, 80, 023; 48/04; 88/06.	03/15/2024	W. Nealon
H04L 67/52.	03/15/2024	W. Nealon
G06Q 30/0601.	03/15/2024	W. Nealon

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
455	456.3		

* 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**
Reviewed related applications - parent and co-pending.	03/15/2024	W. Nealon
Searched and reviewed references disclosed on IDS filed .	03/15/2024	W. Nealon
Inventors search using PE2E Search.	03/15/2024	W. Nealon
Searched related non-patent literature.	03/15/2024	W. Nealon
Searched within PE2E databases US-PGPUB, USPAT and DERWENT.	03/15/2024	W. Nealon
earched within PE2E databases US-PGPUB and USPAT	05/03/2024	W. Nealon

/WILLIAM NEALON/ Primary Examiner, Art Unit 2643	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/539,020	Karabinis et al.
	Examiner	Art Unit
	WILLIAM NEALON	2643

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
H04W	4/029, 80, 023; 48/04; 88/06.	05/03/2024	W. Nealon
H04L	67/52.	05/03/2024	W. Nealon
G06Q	30/0601.	05/03/2024	W. Nealon

/WILLIAM NEALON/
Primary Examiner, Art Unit 2643

Web Search History

date, time	web site	search string
3/7/2024 9:40:33 AM	Google Scholar	H04W4/029 G06F16/29 area registration accept base station wireless device registration area
3/7/2024 9:40:54 AM	Google Scholar	user venue computing device location suggested
3/14/2024 3:59:52 PM	Google	(mobile OR portable OR UE OR device OR phone OR terminal) (H04W4/024 OR G06Q30/0279) (philanthropy OR donation
3/14/2024 4:05:15 PM	Google Patents	**Search Term 1** (user) **Search Term 2** (cell phone) **Search Term 3** (data) **Search Term 4** (image) **Search Term 5** (electronic device) **Before** Priority Date: priority:21080806
3/15/2024 10:15:34 AM	Google Scholar	parameter responsive conducting wireless device function H04W48/04 H04W4/029 transaction sensor biometri
3/15/2024 10:15:43 AM	Google Scholar	parameter responsive conducting wireless device function H04W48/04 H04W4/029 transaction sensor biometric proximate

date, time	web site	search string
3/15/2024 10:15:50 AM	Google Patents	**Search Term 1** responsive **Search Term 2** conducting **Search Term 3** wireless device **Search Term 4** function **Search Term 5** H04W48/04 H04W4/029 **Search Term 6** transaction **Search Term 7** sensor **Search Term 8** biometric **Search Term 9** proximate **Before** Priority Date: priority:20081104
3/15/2024 10:15:56 AM	Google Scholar	responsive conducting wireless device H04W48/04 H04W4/029 transaction sensor biometric proximate
3/15/2024 10:16:20 AM	Google Patents	**Search Term 1** wireless device **Search Term 2** H04W48/04 H04W4/029 **Search Term 3** transaction **Search Term 4** sensor **Search Term 5** biometric **Search Term 6** proximate **Before** Priority Date: priority:20081104
3/15/2024 10:17:06 AM	Google Scholar	(conducting financ) (wireless device) (H04W48/04 H04W4/029) (transaction) (sensor) (biometric) (proximate)

date, time	web site	search string
3/15/2024 10:17:06 AM	Google Patents	**Search Term 1** (conducting financ) **Search Term 2** (wireless device) **Search Term 3** (H04W48/04 H04W4/029) **Search Term 4** (transaction) **Search Term 5** (sensor) **Search Term 6** (biometric) **Search Term 7** (proximate) **Before** Priority Date: priority:20081104
3/15/2024 10:17:08 AM	Google Scholar	conducting finan wireless device H04W48/04 H04W4/029 transaction sensor biometric proximate
3/15/2024 10:17:11 AM	Google Patents	**Search Term 1** conducting fi **Search Term 2** wireless device **Search Term 3** H04W48/04 H04W4/029 **Search Term 4** transaction **Search Term 5** sensor **Search Term 6** biometric **Search Term 7** proximate **Before** Priority Date: priority:20081104

PE2E SEARCH - Search History (Prior Art)

There are no Prior Art searches to show.

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N335	26078	(H04W48/04 OR H04W4/29 OR H04W4/80 OR H04W76/10 OR H04L67/52 OR G06Q30/0601 OR H04W4/023 OR H04W88/06).CPC. AND @ad<"20081104"	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/03/15 10:08 AM
N336	397	(Rajendra near2 Singh).Inv.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/03/15 10:08 AM
N337	421	(Peter near2 Karabinis).Inv.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/03/15 10:08 AM
N338	26078	(H04W48/04 OR H04W4/29 OR H04W4/80 OR H04W76/10 OR H04L67/52 OR G06Q30/0601 OR H04W4/023 OR H04W88/06).CPC. AND @ad<"20081104"	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/05/03 10:33 AM
N339	428	(Peter near2 Karabinis).Inv.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/05/03 10:33 AM
N340	401	(Rajendra near2 Singh).Inv.	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/05/03 10:33 AM
N341	9111	(H04M3/382 OR H04M3/42059 OR H04M3/5166 OR H04M2203/6045 OR H04M2203/6054 OR H04L63/0861 OR H04L67/26 OR H04W4/14 OR H04W4/003 OR H04W12/08).CPC. AND @ad<"20081104"	(US-PGPUB; USPAT)	ADJ	ON	ON	2024/05/03 10:33 AM

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-22)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18539020
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Docket CENTRAL
	Attorney Docket Number	1348.002US11

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/W.N/	1	7233260	B2	2007-06-19	Tang et al.	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] ¡	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐

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NON-PATENT LITERATURE DOCUMENTS Remove

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, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Attorney Docket Number	1348.002US11

/W.N/	1	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 18/523,863, 02/06/2024, pp. 10	☐

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature	/WILLIAM NEALON/	Date Considered	03/07/2024

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

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18539020
	Filing Date	2023-12-13
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Docket CENTRAL
	Attorney Docket Number	1348.002US11

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ 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. See 37 CFR 1.97(e)(1).

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 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	
Name/Print	Aaron Pederson	Registration Number	58607

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour 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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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 record s.

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.

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PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/539,020	**05/24/2024 11:26:55 AM Z ET**	**1348.002US11**

Title of Invention

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8649	FILED BY	SAGE KRUSE
PATENT CENTER #	65661242	FILING DATE	12/13/2023
CUSTOMER #	138517	FIRST NAMED INVENTOR	Peter D. Karabinis
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Aaron Pederson

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
IssueFeeTrans1348002US11.pdf	1	Issue Fee Payment (PTO-85B)	184 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
IssueFeeTrans1348002US11.pdf	6B89484872CBA932B4B44BAC01B05D75F81C3231AACFB3630A3D979334CD2B53D0B16661EFEBB4E8F1DADF499A9268E764778191C593321A67BA816339D75C2A

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 filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/539,020	05/24/2024 11:26:55 AM Z ET	1348.002US11

Title of Invention

SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

Application Information

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CONFIRMATION #	8649	FILED BY	SAGE KRUSE
PATENT CENTER #	65661242	AUTHORIZED BY	Aaron Pederson
CUSTOMER #	138517	FILING DATE	12/13/2023
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Peter D. Karabinis

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 502880	E20245NB27318551	SAGE KRUSE

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
502880	37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post issuance fees); 37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
2501	UTILITY ISSUE FEE	480.00	1	480.00
			TOTAL AMOUNT:	$480.00

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.

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PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

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

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

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence 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. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

138517 7590 05/13/2024
Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/539,020	12/13/2023	Peter D. Karabinis	1348.002US11	8649

TITLE OF INVENTION: SYSTEMS/METHODS OF ESTABLISHING A CAPABILITY, AND THEN USING THE CAPABILITY, TO PERFORM A FINANCIAL TRANSACTION BY A SMARTPHONE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0.00	$0.00	$480	08/13/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
NEALON, WILLIAM	2643	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/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or 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 Carlson, Caspers, Vandenburgh & Lindquist, 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 must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

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

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

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required)

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

☐ Electronic Payment via the USPTO patent electronic filing system ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 502880

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature /Aaron Pederson/ Date May 24, 2024

Typed or printed name Aaron Pederson Registration No. 58,607

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/539,020	07/02/2024	12028793	1348.002US11	8649

138517 7590 06/12/2024

Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at https://patentcenter.uspto.gov/. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at https://certifiedcopycenter.uspto.gov/index.html. The Certified Copy Center may be reached at (800)972-6382.

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 Center (https://patentcenter.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 Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PATENT CENTER site https://patentcenter.uspto.gov for additional inventors):

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

APPLICANT(s) (Please see PATENT CENTER site https://patentcenter.uspto.gov for additional applicants):

Telcom Ventures LLC, Miami, FL;

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/539,020	12/13/2023	Peter D. Karabinis	1348.002US11	8649

138517 7590 07/02/2024
Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

EXAMINER
NEALON, WILLIAM

ART UNIT	PAPER NUMBER
2643	

NOTIFICATION DATE	DELIVERY MODE
07/02/2024	ELECTRONIC

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

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

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

docketing@carlsoncaspers.com
eofficeaction@appcoll.com

PTOL-90A (Rev. 04/07)

APPLICATION NO.	ISSUE DATE	PATENT NO.
18/539,020	02-Jul-2024	12028793

Carlson, Caspers, Vandenburgh & Lindquist, P.A.
225 S. Sixth St.
Minneapolis, MN 55402

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at https://patentcenter.uspto.gov

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit https://www.uspto.gov/electronicgrants