

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	
	Filing Date	2022-03-07
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US7

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	6595929	B2	2003-07-22	Stivoric et al.	
	2	6769607	B1	2004-08-03	Pitroda et al.	
	3	6944981	B1	2005-09-20	Garberg et al.	
	4	6957107	B2	2005-10-18	Rogers et al.	
	5	7028897	B2	2006-04-18	Fernandes et al.	
	6	7133659	B2	2006-11-07	Zalewski et al.	
	7	7155199	B2	2006-12-26	Zalewski et al.	
	8	7503504	B2	2009-03-17	Mitra	

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	Examiner Name		
	Attorney Docket Number		1348.002US7

	9	7539241	B1	2009-05-26	Dick	
	10	7624923	B2	2009-12-01	Clark et al.	
	11	7780081	B1	2010-08-24	Liang	
	12	7822644	B2	2010-10-26	Alberth Jr. et al.	
	13	7912629	B2	2011-03-22	Sutter et al.	
	14	8023580	B2	2011-09-20	Bremer	
	15	8091780	B2	2012-01-10	Todd et al.	
	16	8249935	B1	2012-08-21	DiMartino et al.	
	17	8463238	B2	2013-06-11	Forstall et al.	
	18	8532069	B2	2013-09-10	Balwani	
	19	8646060	B1	2014-02-04	Ayed	

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	20	8965281	B2	2015-02-24	Raisanen et al.	
	21	RE39736		2007-07-17	Morrill Jr.	

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

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U.S.PATENT APPLICATION PUBLICATIONS

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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
	1	20020170961	A1	2002-11-21	Dickson et al.	
	2	20030220105	A1	2003-11-27	Daigremont et al.	
	3	20040030601	A1	2004-02-12	Pond et al.	
	4	20040143505	A1	2004-07-22	Kovach	
	5	20040143550	A1	2004-07-22	Creamer et al.	
	6	20040170430	A1	2004-09-02	Gorokhov	
	7	20060009234	A1	2006-01-12	Freer	

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8	20060085297	A1	2006-04-20	Minerley	
9	20060133633	A1	2006-06-22	Hyvonen et al.	
10	20060144933	A1	2006-07-06	Do et al.	
11	20060145893	A1	2006-07-06	Hassett	
12	20060159260	A1	2006-07-20	Pereira et al.	
13	20060165060	A1	2006-07-27	Dua	
14	20060172700	A1	2006-08-03	Wu	
15	20060194538	A1	2006-08-31	Palin et al.	
16	20070129077	A1	2007-06-07	Iguchi et al.	
17	20070167147	A1	2007-07-19	Krasner et al.	
18	20070178935	A1	2007-08-02	Shim et al.	

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19	20070184837	A1	2007-08-09	Hohl et al.	
20	20070197261	A1	2007-08-23	Humbel	
21	20070243872	A1	2007-10-18	Gallagher et al.	
22	20070250393	A1	2007-10-25	Alberth et al.	
23	20070260710	A1	2007-11-08	Dowling	
24	20070265984	A1	2007-11-15	Santhana	
25	20070285280	A1	2007-12-13	Robinson et al.	
26	20080040274	A1	2008-02-14	UZO	
27	20080140667	A1	2008-06-12	LaBiche	
28	20080140868	A1	2008-06-12	Kalayjian et al.	
29	20080146148	A1	2008-06-19	Hulvey	

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	30	20080167966	A1	2008-07-10	Ramsdale et al.	
	31	20080200166	A1	2008-08-21	McCamon	
	32	20080227471	A1	2008-09-18	Dankar et al.	
	33	20080306868	A1	2008-12-11	Robinson et al.	
	34	20090023474	A1	2009-01-22	Luo et al.	
	35	20090113543	A1	2009-04-30	Adams et al.	
	36	20090153367	A1	2009-06-18	Lee	
	37	20090169070	A1	2009-07-02	Fadell	
	38	20090213947	A1	2009-08-27	Rao et al.	
	39	20100067591	A1	2010-03-18	Luo et al.	
	40	20100265845	A1	2010-10-21	Lampén	

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	41	20110314539	A1	2011-12-22	Horton	
	42	20120214443	A1	2012-08-23	Daigle	
	43	20130156218	A1	2013-06-20	Annacone et al.	

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

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	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

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
	1	"Digital wallet" Wikipedia (4 pages) (Printed on July 10, 2017)	
	2	International Search Report and Written Opinion of the International Searching Authority for corresponding PCT Application No. PCT/US09/062792 (8 pages) (December 23, 2009)	
	3	U.S. PATENT AND TRADEMARK OFFICE, "Final Office Action", Application Serial No. 15/929,609, 06/09/2021, 17 pgs.	

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4	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/012,513, 12/11/2018, pp. 1-10
5	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/012,513, 12/19/2019, pp. 1-14
6	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/251,834, 12/17/2019, pp. 1-14
7	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 15/929,609, December 9, 2021, 4 pgs.
8	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 16/012,513, 03/26/2020, Pgs. 1-12
9	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 16/251,834, 04/22/2020, Pgs. 1-9
10	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 15/929,609, 06/09/2021, 18 pgs.
11	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 15/929,609, 12/01/2020, 16 pgs.
12	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/012,513, 04/12/2019, pp. 1-11
13	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/012,513, 07/31/2018, pp. 1-8
14	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/251,834, 5/9/2019, pp. 1-10

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	Examiner Name		
	Attorney Docket Number	1348.002US7	

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

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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 W. Pederson/	Date (YYYY-MM-DD)	2022-03-07
Name/Print	Aaron W. Pederson	Registration Number	58607

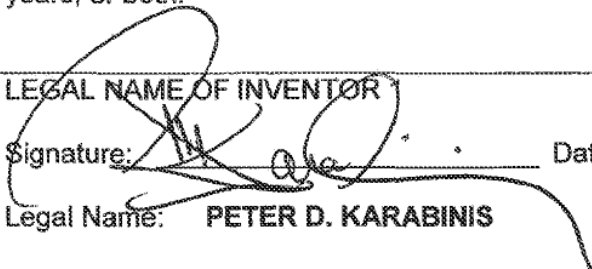
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 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 records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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

Application Data Sheet 37 CFR 1.76

The Application Data Sheet is part of the provisional or non-provisional 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.

Inventor Information

of inventors: 2

1. Peter D. Karabinis

Residence Information

US Residency
Cary, NC
UNITED STATES

Mailing Address

101 Chalon Drive
Cary, NC 27511
UNITED STATES

2. Rajendra Singh

Residence Information

US Residency
Indian Creek Village, FL
UNITED STATES

Mailing Address

23 Indian Creek Island Road
Indian Creek Village, FL 33154
UNITED STATES

Application Information

Customer number 138517 ~

Correspondence address ---

Title of invention **METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE**

Attorney docket number **1348.002US7**

Entity status Small

Application type Nonprovisional Application under 35 USC 111(a)

Subject matter Utility

Total number of drawing sheets 3

Suggested figure for publication ---

Filing by reference No

Publication request Normal eighteen-month publication

Representative Information

of representatives: 1

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).

Customer number 138517

Domestic Benefit/National Stage Information

of benefit claims: 5

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c), 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(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior app status Pending

Application number	---
Continuity type	Continuation of
Prior app number	15929609
Filing Date	05/12/2020

Prior app status	Patented
Application number	15929609
Continuity type	Continuation of
Prior app number	16012513
Filing Date	06/19/2018
Patent number	10660015
Issue date	05/19/2020

Prior app status	Patented
Application number	16012513
Continuity type	Division of
Prior app number	15800885
Filing Date	11/01/2017
Patent number	10219199
Issue date	02/26/2019

Prior app status	Patented
Application number	15800885
Continuity type	Continuation of
Prior app number	15251882
Filing Date	08/30/2016
Patent number	9832708
Issue date	11/28/2017

Prior app status	Patented
Application number	15251882
Continuity type	Continuation of
Prior app number	12264711
Filing Date	11/04/2008
Patent number	9462411
Issue date	10/04/2016

Foreign Priority Information

of foreign priority claims: 0

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. 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) 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).

 Data was not provided for this section.

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

Checking this box will cause the application to be examined under the first inventor to file provisions of the AIA.

☐ 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 2016, 2013, will be examined under the first inventor to file provisions of the AIA.

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)

Priority Document Exchange (PDX)

- A. 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).

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).

B.

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 the 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.

Applicant Information

of applicants: 1

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.

1. **Telcom Ventures LLC**

200 South Biscayne Blvd., 40th Floor
Miami, FL 33131
UNITED STATES

Applicant	Organization
Applicant type	Assignee

Phone: ---
Fax: ---
Email: ---

Assignee Information Including Non-Applicant Assignee Information

of assignees: 0

An assignee-applicant identified in the "Applicant" section will appear on the patent application as an applicant.

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.

 Data was not provided for this section.

Signature

NOTE:

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

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

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

Signature	First name	Last name	Registration #	Date
/Aaron Pederson/	Aaron	Pederson	58607	03/07/2022

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. :
Applicant : Telcom Ventures, LLC
Filed : March 7, 2022
Art Unit :
Examiner :
Confirmation No.:
Docket No. : 1348.002US7
Customer No. : 138517
Title : METHOD AND APPARATUS FOR SENSING PRODUCTS FOR
PURCHASE

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., 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: March 7, 2022

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UNITED STATES
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Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
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PATENT # -

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FIRST NAMED INVENTOR Peter D. Karabinis

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Aaron Pederson

Documents

TOTAL DOCUMENTS: 7

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
generatedADS60561082.pdf	6	Application Data Sheet	145 KB
Specification1348002US7-APP.TEXT.docx	26	Application body structured text document	50 KB
Drawings1348002US7.pdf	3	Drawings-only black and white line drawings	120 KB
Declarations1348002US7.pdf	2	Oath or Declaration filed	1984 KB
TransmittalIDS1348002US7.pdf	2	Transmittal Letter	76 KB
IDS1348002US7.pdf	11	Information Disclosure	1254 KB

Statement (IDS) Form (SB08)

POA1348002US7.pdf	2	Power of Attorney	351 KB
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Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
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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.

METHOD AND APPARATUS FOR SENSING PRODUCTS FOR PURCHASE

Cross-Reference to Related Application

[0001] The present application is a continuation of U.S. Application No. 15/929,609, filed May 12, 2020, 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 alphanumeric 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 ordinary skill 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 as 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 booth, 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 by a device a physiological parameter of a user of the device;
determining whether or not the physiological parameter that is sensed satisfies a criterion; and
responsive to determining that the physiological parameter that is sensed satisfies the criterion, enabling a number of functions of the device while disabling a function of the device.
2. The method of Claim 1, wherein said enabling a number of functions of the device comprises enabling a number of functions that is greater than or equal to one.
3. The method of Claim 1, further comprising:
while said number of functions is enabled by having sensed by the device the physiological parameter and by having determined that the physiological parameter that is sensed satisfies the criterion, requesting by the device from a second device an authorization to enable a function for conducting a financial transaction;
responsive to the requesting, receiving by the device from the second device the authorization to enable the function for conducting the financial transaction; and
responsive to receiving the authorization, enabling at the device the function for conducting the financial transaction.
4. The method of Claim 3, further comprising:
responsive to the device satisfying a proximity condition relative to an entity and
responsive to the device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.
5. The method of Claim 3, further comprising:
enabling at the second device a function for conducting the financial transaction.

6. The method of Claim 1, wherein the device comprises a wireless device.
7. The method of Claim 6, wherein the wireless device comprises a smartphone.
8. The method of Claim 1, wherein said determining whether or not the physiological parameter that is sensed satisfies a criterion comprises:
determining by the device whether or not the physiological parameter that is sensed satisfies the criterion.
9. A device that is configured to perform operations comprising:
sensing a physiological parameter of a user of the wireless device;
determining whether or not the physiological parameter that is sensed satisfies a criterion; and
responsive to determining that the physiological parameter that is sensed satisfies the criterion, enabling a number of functions while disabling a function.
10. The device of Claim 9, wherein said enabling a number of functions comprises enabling a number of functions that is greater than or equal to one.
11. The device of Claim 9, wherein the operations further comprise:
while said number of functions is enabled by having sensed the physiological parameter and by having determined that the physiological parameter sensed satisfies the criterion, requesting from a second device an authorization to enable a function for conducting a financial transaction;
responsive to the requesting, receiving from the second device the authorization to enable the function for conducting the financial transaction; and
responsive to receiving the authorization, enabling the function for conducting the financial transaction.
12. The device of Claim 11, wherein the operations further comprise:
detecting that a proximity condition relative to an entity has been satisfied;

sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion; and

using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.

13. The device of Claim 11, wherein the operations further comprise:
causing a function for conducting the financial transaction to be enabled at the second device.

14. The device of Claim 9, wherein the device comprises a wireless device.

15. The device of Claim 14, wherein the wireless device comprises a smartphone.

16. A method comprising:
sensing by a wireless device a physiological parameter of a user of the wireless device;
determining whether or not the physiological parameter that is sensed satisfies a criterion;
responsive to the physiological parameter sensed satisfying the criterion, enabling a number of functions of the wireless device;
requesting by the wireless device from a second device an authorization to enable a function for conducting a financial transaction;
responsive to the requesting, receiving by the wireless device from the second device the authorization to enable the function for conducting the financial transaction;
responsive to receiving the authorization, enabling at the wireless device the function for conducting the financial transaction; and
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 for conducting the financial transaction and conducting the financial transaction by paying for a product.

17. The method of Claim 16, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one while disabling a function of the wireless device.

18. The method of Claim 16, further comprising:
enabling at the second device a function for conducting the financial transaction.

19. The method of Claim 16, wherein the wireless device comprises a smartphone.

20. The method of Claim 16, wherein said determining whether or not the physiological parameter that is sensed satisfies a criterion comprises:
determining by the wireless device whether or not the physiological parameter that is sensed satisfies the criterion.

21. The method of Claim 16, wherein said enabling a number of functions of the wireless device comprises:
enabling by the wireless device the number of functions of the wireless device.

22. A wireless device that is configured to perform operations comprising:
sensing a physiological parameter of a user of the wireless device;
determining whether or not the physiological parameter that is sensed satisfies a criterion;
responsive to the physiological parameter sensed satisfying the criterion, enabling a number of functions of the wireless device;
requesting from a second device an authorization to enable a function for conducting a financial transaction;
responsive to the requesting, receiving from the second device the authorization to enable the function for conducting the financial transaction;
responsive to receiving the authorization, enabling the function for conducting the financial transaction; and

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 for conducting the financial transaction and conducting the financial transaction by paying for a product.

23. The wireless device of Claim 22, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one while disabling a function of the wireless device.

24. The wireless device of Claim 22, wherein the operations further comprise: causing a function for conducting the financial transaction to be enabled at the second device.

25. The wireless device of Claim 22, wherein the wireless device comprises a smartphone.

26. The wireless device of Claim 22, 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 and said wirelessly receiving comprises using a time domain duplex protocol; 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 a 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.

27. The wireless device of Claim 22, wherein said requesting from a second device an authorization to enable a function for conducting a financial transaction and/or said receiving from the second device the authorization to enable the function for conducting the financial transaction comprises:

- establishing by the wireless device a link with the second device, comprising a wireless link that comprises a distance that is greater than a distance associated with the proximity condition;

- 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 and/or said wirelessly receiving comprises using an orthogonal frequency division multiplexing and/or orthogonal frequency division multiple access 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.

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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Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

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AUTHORIZED BY Aaron Pederson

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ADDRESS -

FIRST NAMED
INVENTOR Peter D. Karabinis

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PRE-AUTHORIZED CATEGORY
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(\$)
2111	UTILITY PATENT APPL. SEARCH FEE	350.00	1	350.00
4011	BASIC FILING FEE- UTILITY	80.00	1	80.00
2311	EXAMINATION OF ORIGINAL PATENT APPLICATION	400.00	1	400.00
2202	EACH CLAIM IN EXCESS OF 20	50.00	7	350.00

2201	EACH INDEPENDENT CLAIM IN EXCESS OF THREE	240.00	1	240.00
TOTAL AMOUNT:				\$1,420.00

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Application Number	
Filing Date	March 7, 2022
First Named Inventor	Peter D. Karabinis
Title	METHOD AND APPARATUS FOR SENSING PRODUCTS FOR PURCHASE
Art Unit	
Examiner Name	
Attorney Docket Number	1348.002US7

SIGNATURE of Applicant or Patent Practitioner

Signature	/Aaron W. Pederson/	Date (Optional)	March 7, 2022
Name	Aaron W. Pederson	Registration Number	58607
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

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6-25-2019

Name

Serge G. Martin

Title

Executive Vice President - Telcom Ventures LLC

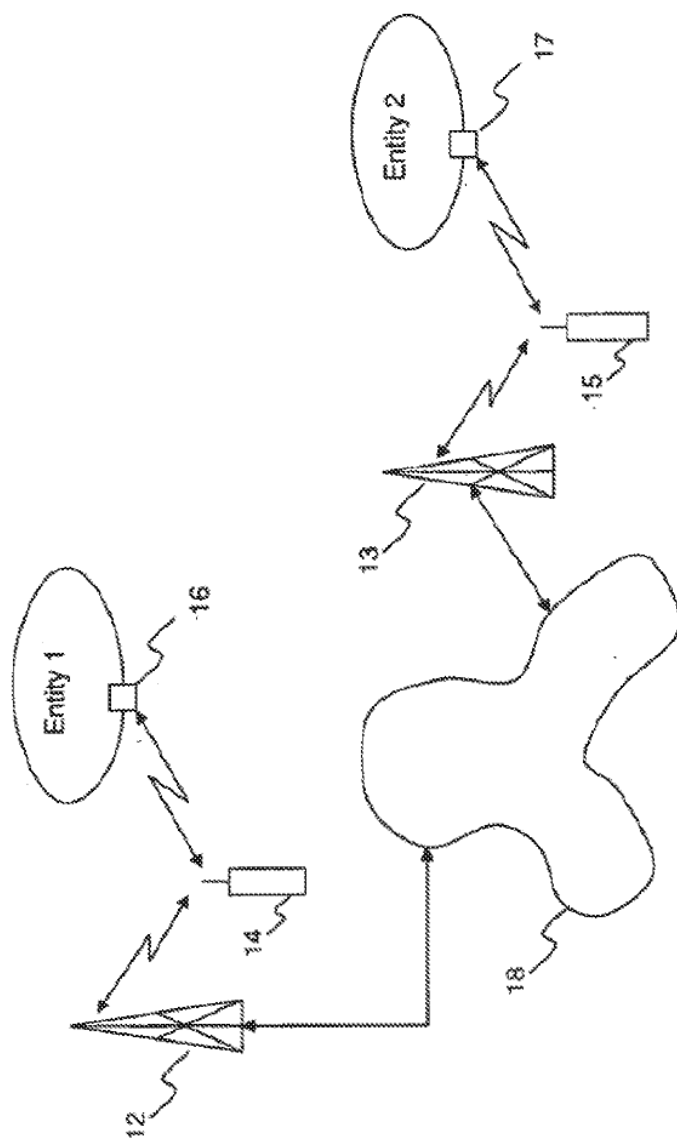
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forms are submitted.

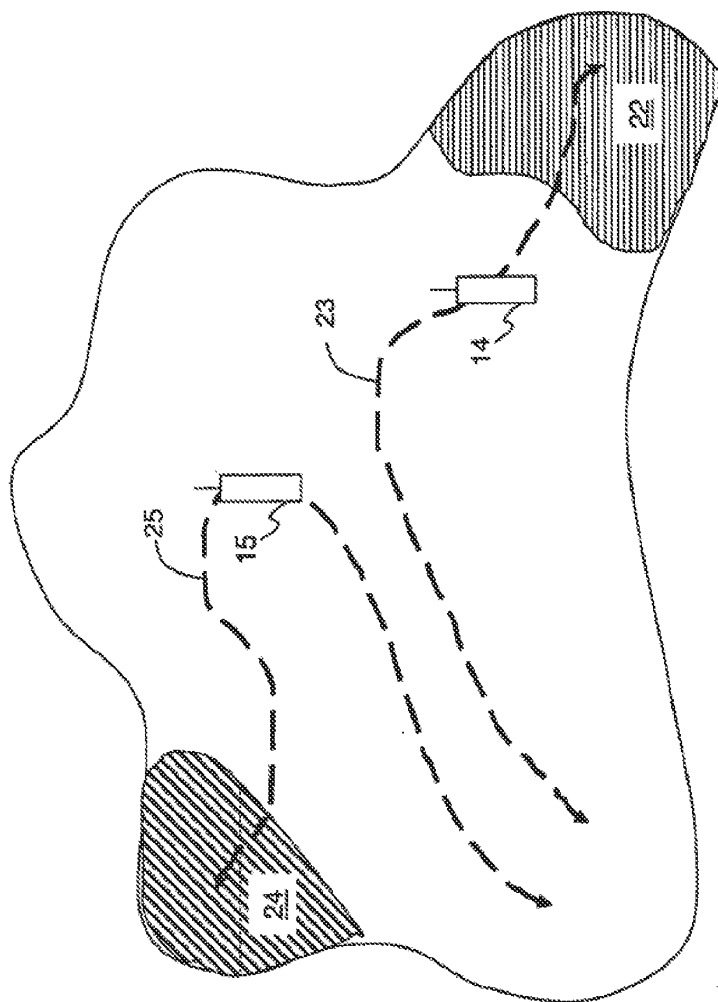
This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is 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.



10

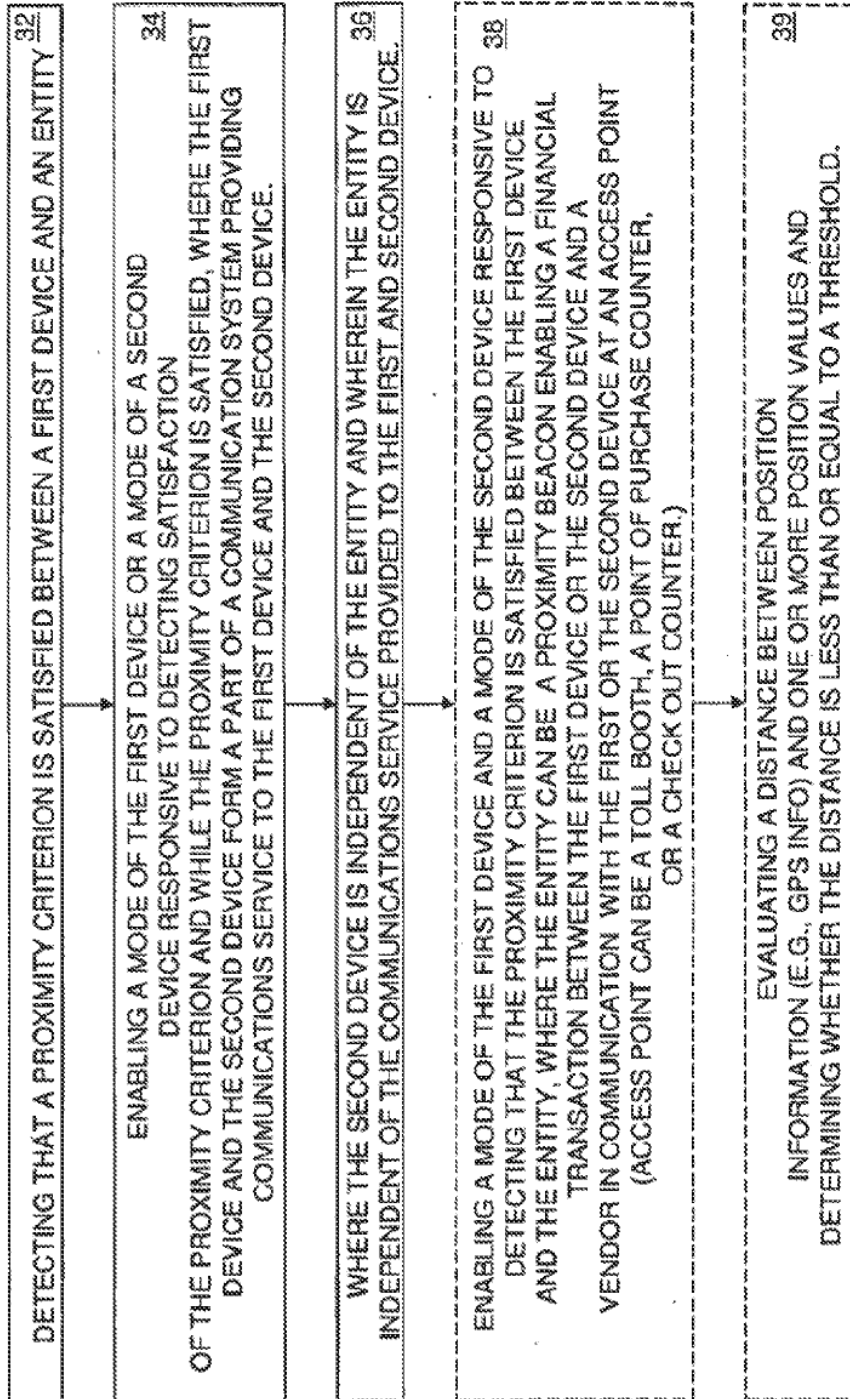
FIG. 1



20

FIG. 2

FIG. 3 30



PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 17/653,748				
APPLICATION AS FILED - PART I										
(Column 1)		(Column 2)		SMALL ENTITY		OTHER THAN SMALL ENTITY				
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)			
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	80		N/A				
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	350		N/A				
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	400		N/A				
TOTAL CLAIMS (37 CFR 1.16(j))	27	minus 20 = *	7	x 50 =	350					
INDEPENDENT CLAIMS (37 CFR 1.16(h))	4	minus 3 = *	1	x 240 =	240					
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00						
			TOTAL	1420		TOTAL				
* If the difference in column 1 is less than zero, enter "0" in column 2.										
APPLICATION AS AMENDED - PART II										
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OTHER THAN SMALL ENTITY		
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=		x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=		x	=
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
						TOTAL ADD'L FEE			TOTAL ADD'L FEE	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=		x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=		x	=
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
						TOTAL ADD'L FEE			TOTAL ADD'L FEE	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.										



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
17/653,748	03/07/2022	2676	1420	1348.002US7	27	4

CONFIRMATION NO. 5921

FILING RECEIPT



000000132348637

138517

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

Date Mailed: 03/10/2022

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.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

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 15/929,609 05/12/2020
which is a CON of 16/012,513 06/19/2018 PAT 10660015
which is a DIV of 15/800,885 11/01/2017 PAT 10219199
which is a CON of 15/251,882 08/30/2016 PAT 9832708
which is a CON of 12/264,711 11/04/2008 PAT 9462411

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 03/09/2022

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/653,748**

Projected Publication Date: 06/16/2022

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Preliminary Class

358

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

page 2 of 4

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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

NOT GRANTED

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

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The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop

technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



Corrected Application Data Sheet 37 CFR 1.76

The Application Data Sheet is part of the provisional or non-provisional 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.

Inventor Information

of inventors: 2

1. Peter D. Karabinis

Residence Information

US Residency
Cary, NC
UNITED STATES

Mailing Address

101 Chalon Drive
Cary, NC 27511
UNITED STATES

2. Rajendra Singh

Residence Information

US Residency
Indian Creek Village, FL
UNITED STATES

Mailing Address

23 Indian Creek Island Road
Indian Creek Village, FL 33154
UNITED STATES

Application Information

Customer number 138517 -

Correspondence address ---

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

Title of invention ~~METHOD AND APPARATUS FOR SENSING PRODUCTS FOR PURCHASE~~

Attorney docket number 1348.002US7

Entity status Small

Application type Nonprovisional Application under 35 USC 111(a)

Subject matter Utility

Total number of drawing sheets 3

Suggested figure for publication ---

Filing by reference No

Publication request Normal eighteen-month publication

Representative Information

of representatives: 1

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).

Customer number 138517

Domestic Benefit/National Stage Information

of benefit claims: 5

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c), 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(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior app status Pending

Application number — 17653748
Continuity type **Continuation of**
Prior app number **15929609**
Filing Date 05/12/2020

Prior app status Patented
Application number **15929609**
Continuity type **Continuation of**
Prior app number **16012513**
Filing Date 06/19/2018
Patent number 10660015
Issue date 05/19/2020

Prior app status Patented
Application number **16012513**
Continuity type **Division of**
Prior app number **15800885**
Filing Date 11/01/2017
Patent number 10219199
Issue date 02/26/2019

Prior app status Patented
Application number **15800885**
Continuity type **Continuation of**
Prior app number **15251882**
Filing Date 08/30/2016
Patent number 9832708
Issue date 11/28/2017

Prior app status Patented
Application number **15251882**
Continuity type **Continuation of**
Prior app number **12264711**
Filing Date 11/04/2008
Patent number 9462411
Issue date 10/04/2016

Foreign Priority Information

of foreign priority claims: 0

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. 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) 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).



Data was not provided for this section.

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

Checking this box will cause the application to be examined under the first inventor to file provisions of the AIA.

☐

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 2016, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization or Opt-Out of Authorization to Permit Access

When this Application Data Sheet is properly signed and filled 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)

Priority Document Exchange (PDX)

- A. 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).

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).

B.

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 the 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.

Applicant Information

of applicants: 1

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.

1. **Telcom Ventures LLC**
200 South Biscayne Blvd., 40th Floor
Miami, FL 33131
UNITED STATES

Applicant Organization
Applicant type Assignee

Phone: ---
Fax: ---
Email: ---

Assignee Information including Non-Applicant Assignee Information

of assignees: 0

An assignee-applicant identified in the "Applicant" section will appear on the patent application as an applicant.

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.

 Data was not provided for this section.

Signature

NOTE:

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

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

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

Signature	First name	Last name	Registration #	Date
/Aaron Pederson/	Aaron	Pederson	58607	03/07/2022



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/653,748

RECEIPT DATE / TIME
03/10/2022 05:02:20 PM ET

ATTORNEY DOCKET #
1348.002US7

Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 5921

FILED BY Sage Kruse

PATENT CENTER # 60567800

FILING DATE 03/07/2022

CUSTOMER # 138517

FIRST NAMED
INVENTOR Peter D. Karabinis

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY Aaron Pederson

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
1348002US7CorrectedADS.pdf	6	Application Data Sheet	123 KB

Warning: This is not a USPTO supplied ADS fillable form. Data in the form cannot be automatically loaded to other USPTO systems.

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
1348002US7CorrectedADS.pdf	ACF69B0516E3A43D845B754B9A73DC137B633F14FAF5829B0 EF84CDE4917A76C6E667E45DCB355EFE9D7A275B95960EC8

C0423D8E1F7E83CAA169F4B42C636E0

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/653,748	03/07/2022	Peter D. Karabinis	1348.002US7

CONFIRMATION NO. 5921

138517

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

PUBLICATION NOTICE



0000000134581146

Title:METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Publication No.US-2022-0191768-A1

Publication Date:06/16/2022

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 publicly 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

<i>Notice of References Cited</i>	Application/Control No. 17/653,748		Applicant(s)/Patent Under Reexamination Karabinis et al.	
	Examiner MICHAEL T VU		Art Unit 2641	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20090058637-A1	03-2009	Kuo; Terry B.J.	H04Q9/00	340/539.12
*	B	US-20030172028-A1	09-2003	Abell, Jonathan Alan	G06Q20/102	705/40
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

U.S. Patent and Trademark Office
PTO-892 (Rev. 01-2001)

Notice of References Cited

Part of Paper No. 20230601

<i>Index of Claims</i> 	Application/Control No. 17/653,748	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641

✓	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	06/02/2023								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
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	21	✓								
	22	✓								
	23	✓								
	24	✓								
	25	✓								
	26	✓								
	27	✓								

<i>Search Notes</i> 	Application/Control No. 17/653,748	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641

CPC - Searched*		
Symbol	Date	Examiner
H04W 48/04 H04W 4/02	06/02/2023	MTV

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

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

Search Notes		
Search Notes	Date	Examiner
Inventor Name: Peter D. Karabinis	06/02/2023	MTV
Assignee: Telcom Ventures LLC	06/02/2023	MTV
Double Patent Rejected	06/02/2023	MTV
OC Searched System	06/02/2023	MTV

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

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	
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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	
	Filing Date	2022-03-07
	First Named Inventor	Peter D. Karabinis
	Art Unit	
	Examiner Name	
	Attorney Docket Number	1348.002US7

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	6595929	B2	2003-07-22	Stivoric et al.	
	2	6769607	B1	2004-08-03	Pitroda et al.	
	3	6944981	B1	2005-09-20	Garberg et al.	
	4	6957107	B2	2005-10-18	Rogers et al.	
	5	7028897	B2	2006-04-18	Fernandes et al.	
	6	7133659	B2	2006-11-07	Zalewski et al.	
	7	7155199	B2	2006-12-26	Zalewski et al.	
	8	7503504	B2	2009-03-17	Mitra	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		2022-03-07
First Named Inventor	Peter D. Karabinis	
Art Unit		
Examiner Name		
Attorney Docket Number		1348.002US7

9	7539241	B1	2009-05-26	Dick	
10	7624923	B2	2009-12-01	Clark et al.	
11	7780081	B1	2010-08-24	Liang	
12	7822644	B2	2010-10-26	Alberth Jr. et al.	
13	7912629	B2	2011-03-22	Sutter et al.	
14	8023580	B2	2011-09-20	Bremer	
15	8091780	B2	2012-01-10	Todd et al.	
16	8249935	B1	2012-08-21	DiMartino et al.	
17	8463238	B2	2013-06-11	Forstall et al.	
18	8532069	B2	2013-09-10	Balwani	
19	8646060	B1	2014-02-04	Ayed	

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Examiner Name		
Attorney Docket Number		1348.002US7

20	8965281	B2	2015-02-24	Raisanen et al.
21	RE39736		2007-07-17	Morrill Jr.

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U.S. PATENT APPLICATION PUBLICATIONS

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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
	1	20020170961	A1	2002-11-21	Dickson et al.	
	2	20030220105	A1	2003-11-27	Daigremont et al.	
	3	20040030601	A1	2004-02-12	Pond et al.	
	4	20040143505	A1	2004-07-22	Kovach	
	5	20040143550	A1	2004-07-22	Creamer et al.	
	6	20040170430	A1	2004-09-02	Gorokhov	
	7	20060009234	A1	2006-01-12	Freer	

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Examiner Name		
Attorney Docket Number		1348.002US7

8	20060085297	A1	2006-04-20	Minerley	
9	20060133633	A1	2006-06-22	Hyvonen et al.	
10	20060144933	A1	2006-07-06	Do et al.	
11	20060145893	A1	2006-07-06	Hassett	
12	20060159260	A1	2006-07-20	Pereira et al.	
13	20060165060	A1	2006-07-27	Dua	
14	20060172700	A1	2006-08-03	Wu	
15	20060194538	A1	2006-08-31	Palin et al.	
16	20070129077	A1	2007-06-07	Iguchi et al.	
17	20070167147	A1	2007-07-19	Krasner et al.	
18	20070178935	A1	2007-08-02	Shim et al.	

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Examiner Name		
Attorney Docket Number	1348.002US7	

19	20070184837	A1	2007-08-09	Hohl et al.	
20	20070197261	A1	2007-08-23	Humbel	
21	20070243872	A1	2007-10-18	Gallagher et al.	
22	20070250393	A1	2007-10-25	Alberth et al.	
23	20070260710	A1	2007-11-08	Dowling	
24	20070265984	A1	2007-11-15	Santhana	
25	20070285280	A1	2007-12-13	Robinson et al.	
26	20080040274	A1	2008-02-14	UZO	
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Examiner Name		
Attorney Docket Number		1348.002US7

	30	20080167966	A1	2008-07-10	Ramsdale et al.	
	31	20080200166	A1	2008-08-21	McCamon	
	32	20080227471	A1	2008-09-18	Dankar et al.	
	33	20080306868	A1	2008-12-11	Robinson et al.	
	34	20090023474	A1	2009-01-22	Luo et al.	
	35	20090113543	A1	2009-04-30	Adams et al.	
	36	20090153367	A1	2009-06-18	Lee	
	37	20090169070	A1	2009-07-02	Fadell	
	38	20090213947	A1	2009-08-27	Rao et al.	
	39	20100067591	A1	2010-03-18	Luo et al.	
	40	20100265845	A1	2010-10-21	Lampén	

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Art Unit		
Examiner Name		
Attorney Docket Number		1348.002US7

41	20110314539	A1	2011-12-22	Horton	
42	20120214443	A1	2012-08-23	Daigle	
43	20130156218	A1	2013-06-20	Annacone et al.	

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	1							

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	1	"Digital wallet" Wikipedia (4 pages) (Printed on July 10, 2017)	
	2	International Search Report and Written Opinion of the International Searching Authority for corresponding PCT Application No. PCT/US09/062792 (8 pages) (December 23, 2009)	
	3	U.S. PATENT AND TRADEMARK OFFICE, "Final Office Action", Application Serial No. 15/929,609, 06/09/2021, 17 pgs.	

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Attorney Docket Number	1348.002US7

4	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/012,513, 12/11/2018, pp. 1-10
5	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/012,513, 12/19/2019, pp. 1-14
6	U.S. PATENT AND TRADEMARK OFFICE, "Final Rejection", Application Serial No. 16/251,834, 12/17/2019, pp. 1-14
7	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 15/929,609, December 9, 2021, 4 pgs.
8	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 16/012,513, 03/26/2020, Pgs. 1-12
9	U.S. PATENT AND TRADEMARK OFFICE, "Notice of Allowance", Application Serial No. 16/251,834, 04/22/2020, Pgs. 1-9
10	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 15/929,609, 06/09/2021, 18 pgs.
11	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 15/929,609, 12/01/2020, 16 pgs.
12	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/012,513, 04/12/2019, pp. 1-11
13	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/012,513, 07/31/2018, pp. 1-8
14	U.S. PATENT AND TRADEMARK OFFICE, "Office Action", Application Serial No. 16/251,834, 5/9/2019, pp. 1-10

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		2022-03-07
	First Named Inventor	Peter D. Karabinis	
	Art Unit		
	Examiner Name		
	Attorney Docket Number		1348.002US7

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Examiner Signature	/MICHAEL T VU/		Date Considered	06/02/2023
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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.				

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STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		2022-03-07
First Named Inventor	Peter D. Karabinis	
Art Unit		
Examiner Name		
Attorney Docket Number		1348.002US7

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 W. Pederson/	Date (YYYY-MM-DD)	2022-03-07
Name/Print	Aaron W. 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:

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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.

Bibliographic Data

Application No: 17/653,748

Foreign Priority claimed: ☐ Yes ☒ No

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

Verified and Acknowledged:

/MICHAEL T VU/

Examiner's Signature

Initials

Title:

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
03/07/2022	455	2641	1348.002US7
RULE			

APPLICANTS

Telcom Ventures LLC, Miami, FL, UNITED STATES

INVENTORS

Peter D. Karabinis, Cary, NC, UNITED STATES

Rajendra Singh, Indian Creek Village, FL, UNITED STATES

CONTINUING DATA

This application 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

FOREIGN APPLICATIONS

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03/09/2022

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225 S. Sixth St.

Ste. 4200

Minneapolis, MN 55402

UNITED STATES

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. :
Applicant : Telcom Ventures, LLC
Filed : March 7, 2022
Art Unit :
Examiner :
Confirmation No. :
Docket No. : 1348.002US7
Customer No. : 138517
Title : METHOD AND APPARATUS FOR SENSING PRODUCTS FOR
PURCHASE

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., 15/929,609, filed May 12, 2020, 16/012,513, filed

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

1367.02US7

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: March 7, 2022

/Aaron W. Pederson/

Aaron W. Pederson

Registration No.: 58,607

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

Tel No. (612) 436-9609

/MICHAEL T VU/

06/02/2023

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L2	4	"11304118".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 07:40 AM
L3	26138	determin\$6 near9 (physiological ADJ parameter)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 07:42 AM
L4	0	2 AND 3	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 07:42 AM
L5	141634	(physiological ADJ parameter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2023/06/01 07:43 AM

L6	1	2 AND 5	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 07:43 AM
L7	2102655	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:35 AM
L8	4967	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) SAME ((enabl\$4 disabl\$4) NEAR (mode function))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2023/06/01 08:36 AM

L9	1366	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) near12 ((enabl\$4 disabl\$4) NEAR (mode function))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:37 AM
L10	15	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) near12 ((enabl\$4 disabl\$4) NEAR (mode function)) SAME ((financial ADJ transaction) (payment near4 toll) (payment near6 item))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:40 AM
L11	34	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) near12 ((enabl\$6 disabl\$6) NEAR (mode function)) AND ((financial ADJ transaction) (payment near4 toll) (payment near6 item))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:41 AM
L12	1374	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) near12 ((enabl\$6 disabl\$6)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2023/06/01 08:42 AM

L13	138	NEAR (mode function)) (phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) near12 ((enabl\$6 disabl\$6) NEAR (mode function)) SAME (value parameter)	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:42 AM
L14	4260	(phone mobile wireless terminal pda cellular (smart ADJ phone)) near12 ((enabl\$6 disabl\$6) NEAR (mode function)) SAME (value parameter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:48 AM
L15	402	(phone mobile wireless terminal pda cellular (smart ADJ phone)) WITH (GPS proximit\$4) SAME ((enabl\$6 disabl\$6) NEAR (mode function)) SAME (value parameter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/06/01 08:49 AM

L16	284	(phone mobile wireless terminal pda cellular (smart ADJ phone)) WITH (GPS proximity\$4) SAME ((enable\$6 disable\$6) NEAR (mode function)) SAME (value parameter) SAME (location\$4 position\$4)	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:49 AM
L17	108	(phone mobile wireless terminal pda cellular (smart ADJ phone)) WITH (GPS proximity\$4) SAME ((enable\$6 disable\$6) NEAR (mode function)) SAME (value parameter) near15 (location\$4 position\$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:50 AM
L18	246253	((physiological ADJ parameter) (physiological ADJ state))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 09:01 AM
L21	8544	(sensor sens\$4 GPS proximity\$4) SAME (phone mobile wireless terminal pda cellular (smart ADJ phone)) WITH ((physiological ADJ parameter) (physiological ADJ	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2023/06/01 09:02 AM

L22	6817	state)) (sensor sens\$4 GPS proximit\$4) WITH (phone mobile wireless terminal pda cellular (smart ADJ phone)) WITH ((physiological ADJ parameter) (physiological ADJ state))	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 09:02 AM
L23	4371	(sensor sens\$4 GPS proximit\$4) WITH (phone mobile wireless terminal pda cellular (smart ADJ phone)) near12((physiological ADJ parameter) (physiological ADJ state))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 09:02 AM
L24	6	(sensor sens\$4 GPS proximit\$4) WITH (phone mobile wireless terminal pda cellular (smart ADJ phone)) near12((physiological ADJ parameter) (physiological ADJ state)) SAME ((enabl\$5 disabl\$5) NEAR (mode function))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 09:05 AM
L25	140	(sensor sens\$4 GPS	(US-PGPUB; USPAT;	OR	ON	ON	2023/06/01

		proximit\$4) WITH (phone mobile wireless terminal pda cellular (smart ADJ phone)) near12((physiological ADJ parameter) (physiological ADJ state)) AND ((enabl\$5 disabl\$5) NEAR (mode function))	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				09:06 AM
L26	75	(sensor sens\$4 GPS proximit\$4) WITH (phone mobile wireless terminal pda cellular (smart ADJ phone)) near12((physiological ADJ parameter) (physiological ADJ state)) AND ((enabl\$5 disabl\$5) NEAR (mode function))	(US-PGPUB; USPAT)	OR	ON	ON	2023/06/01 09:06 AM
L27	12	L26 AND ((H04W4/80 OR H04W12/50 OR H04W12/77 OR H04W76/14 OR H04W8/005 OR H04W84/20 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W48/04 OR H04W52/02 OR H04W76/10 OR H04W88/06 OR H04W4/38 OR H04W4/70).cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2023/06/01 09:06 AM
L28	10	L26 AND ((G06Q20/3278 OR G06Q20/204 OR G06Q20/321 OR G06Q20/352 OR G06Q20/401 OR G06Q20/409 OR G06Q10/10 OR G06Q30/0601 OR G06Q20/3227 OR G06Q20/40145).cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2023/06/01 09:07 AM
L29	10	L26 AND ((H04L63/18 OR H04L67/12 OR H04L67/52).cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2023/06/01 09:07 AM
L30	10	L26 AND ((H04L63/18	(US-PGPUB; USPAT)	OR	ON	ON	2023/06/01

L31	16476	OR H04L67/12 OR H04L67/52).cpc.) (authorizat\$4 authoriz\$3) WITH (financial NEAR transaction)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	09:07 AM 2023/06/02 10:08 AM
L32	1485	(authorizat\$4 authoriz\$3) near8 (sanction warrant\$3 licens\$3 qualify\$3 allow\$3 permit\$4 entitle empower\$3 accredit\$3 legaliz\$3 validat\$3 commiss\$3 activat\$3 enabl\$4 disabli\$3) near9(financial NEAR transaction)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:13 AM
L33	495	(authorizat\$4 authoriz\$3) near8 (sanction warrant\$3 licens\$3 qualify\$3 allow\$3 permit\$4 entitle empower\$3 accredit\$3 legaliz\$3 validat\$3 commiss\$3 activat\$3 enabl\$4 disabli\$3) near9(financial NEAR transaction) SAME payment	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:14 AM
L34	220	(authorizat\$4 authoriz\$3) near8 (sanction warrant\$3 licens\$3 qualify\$3 allow\$3 permit\$4 entitle empower\$3 accredit\$3 legaliz\$3 validat\$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2023/06/02 10:15 AM

L35	253	commiss\$3 activat\$3 enabl\$4 disabli\$3) near9(financial NEAR transaction) SAME payment SAME (toll checkout check-out item product merchant)	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:16 AM
L36	27	(authorizat\$4 authoriz\$3) near8 (sanction warrant\$3 licens\$3 qualify\$3 allow\$3 permit\$4 entitle empower\$3 accredit\$3 legaliz\$3 validat\$3 commiss\$3 activat\$3 enabl\$4 disabli\$3) near9(financial NEAR transaction) SAME (purchas\$4 payment pay\$3) SAME (toll checkout check-out item product merchant)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:17 AM
L37	21	(authorizat\$4 authoriz\$3) near8 (sanction warrant\$3 licens\$3 qualify\$3 allow\$3 permit\$4 entitle empower\$3 accredit\$3 legaliz\$3 validat\$3 commiss\$3 activat\$3 enabl\$4 disabli\$3) near9(financial NEAR transaction) SAME (purchas\$4 payment pay\$3) SAME (toll checkout check-out item product merchant) SAME ((short ADJ range) short-range proximit\$3 bluetooth)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:17 AM
		L36 AND ((H04W88/06 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W4/02 OR H04W12/06 OR H04W12/068 OR H04W12/08 OR H04W4/24 OR H04W12/069 OR H04W12/77 OR H04W4/08 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	OR	ON	ON	2023/06/02 10:17 AM

L38	27	H04W4/14 OR H04W84/04 OR H04W84/10 OR H04W84/18).cpc.) L36 AND ((G06Q30/0601 OR G06Q20/20 OR G06Q20/3278 OR G06Q20/027 OR G06Q20/385 OR G06Q20/322 OR G06Q20/327 OR G06Q20/40 OR G06Q20/02 OR G06Q20/045 OR G06Q20/102 OR G06Q20/204 OR G06Q20/227 OR G06Q20/32 OR G06Q20/3223 OR G06Q20/3224 OR G06Q20/3227 OR G06Q20/3255 OR G06Q20/3274 OR G06Q20/34 OR G06Q20/341 OR G06Q20/3415 OR G06Q20/347 OR G06Q20/352 OR G06Q20/353 OR G06Q20/354 OR G06Q20/3821 OR G06Q20/38215 OR G06Q20/401 OR G06Q20/4012 OR G06Q20/4037 OR G06Q20/425 OR G06Q2220/00 OR G06Q30/02 OR G06Q40/02).cpc.)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:19 AM
L39	18	L36 AND ((H04L67/52 OR H04L63/08 OR H04L2463/102 OR H04L63/0846 OR H04L63/105 OR H04L63/18).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:19 AM
L40	3	L36 AND ((G07F7/08	(US-PGPUB; USPAT; IBM_TDB)	OR	ON	ON	2023/06/02

		OR G07F7/084 OR G07F7/086 OR G07F7/1008 OR G07F7/1016 OR H04B5/0031 OR H04B5/0062).cpc.)	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				10:20 AM
L41	16	L36 AND ((H04W88/06 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W4/02 OR H04W12/06 OR H04W12/068 OR H04W12/08 OR H04W4/24 OR H04W12/069 OR H04W12/77 OR H04W4/08 OR H04W4/14 OR H04W84/04 OR H04W84/10 OR H04W84/18).cpc.)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 03:33 PM
L42	15	L10 AND ((G06Q30/0601 OR H04L67/52 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 03:34 PM
L43	58	L17 AND ((H04W4/029 OR H04W4/02 OR H04W4/80 OR H04W48/04 OR H04W4/023 OR H04W88/06 OR H04W76/10 OR H04W4/40 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2023/06/02 03:34 PM

		H04W88/02 OR H04W52/0254 OR H04W64/00 OR H04W4/14 OR H04W24/08 OR H04W4/024 OR H04W52/028 OR H04W84/12 OR H04W84/18 OR H04W4/021 OR H04W12/08 OR H04W12/126 OR H04W4/12 OR H04W12/02 OR H04W12/06 OR H04W12/10 OR H04W12/104 OR H04W12/12 OR H04W12/122 OR H04W12/128 OR H04W12/33 OR H04W12/63 OR H04W4/026 OR H04W4/06 OR H04W4/33 OR H04W4/50 OR H04W4/70 OR H04W8/18 OR H04W88/005).cpc.)	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
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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.
17/653,748	03/07/2022	Peter D. Karabinis	1348.002US7	5921
138517	7590	06/08/2023		
Carlson, Caspers, Vandenburg & Lindquist, P.A. 225 S. Sixth St. Ste. 4200 Minneapolis, MN 55402			EXAMINER VU, MICHAEL T	
			ART UNIT 2641	PAPER NUMBER
			NOTIFICATION DATE 06/08/2023	DELIVERY MODE 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@apcoll.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Drawings

2. The drawings were received on 03/07/2022. These drawings are considered by examiner.

Terminal Disclaimer

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

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. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

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

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

5. Claims 1, 9, 16, 22 are rejected on the ground of non-statutory obviousness-type double patenting as being unpatentable over claims 1, 7, 17 of Patent No. **11,304,118**. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims in the instant application was filed on 05/27/2016 is non-statutory and is broader than the ones in the patent and encompasses a similar invention as recited in the patent claims, i.e., a method comprising: sensing by a device a physiological parameter of a user of the device; therefore, the claims are obviousness-type by the claims in U.S. Patent No. **11,304,118** (See *In re Goodman*).

It is important to note that claimed features recited in claims 1, 7, 17 of U.S. Patent No. **11,304,118** are more specific than claimed features recited in claims 1, 9, 16, 22 of the Instant Application. Hence, the scope of claims of present application is now broader than U.S. Patent No **11,304,118**.

Many decisions support the fact that a broad or generic claim is obvious from a specific claim, i.e., an obvious variation. See *In re Van Ornum and Stang*, 214 USPQ 761 (CCPA 1982); *In re Goodman* (CA FC) 29 USPQ2d 2010 (12/3/1993); *In re Vogel and Vogel*; 164 USPQ 619 (CCPA 1970); *In re Berg* (CA FC) 46 USPQ2d 1226 (3/30/1998); *Eli Lilly and Co. v. Barr Laboratories Inc.*, 58 USPQ2d 1865 (CA FC 2001). It is well settled that omission of an element and its function in a combination is an obvious expedient if the remaining elements perform the same functions as before. This notion is supported by *In re KARLSON*, 136 USPQ 184 (1963); *In re Nelson*, 95 USPQ 82 (CCPA 1952); and *In re Eliot*, 25 USPQ 111 (CCPA 1935).

Dependent claims 2-8, 10-15, 17-21, 23-27 depend either directly or indirectly upon independent claims 1, 7, 17 of patent applications **11,304,118** is also rejected at least for the same reasons discussed above.

Claim Rejections - 35 USC § 103

6. 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 the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

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

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

8. Claims 1-27 are rejected under 35 U.S.C. 103 as being unpatentable over Kuo et al (US 2009/0058637), hereinafter "Kuo", in view of Abell et al (US 2003/0172028), hereinafter "Abell".

Regarding **claim 1**, Kuo teaches a method comprising:

sensing by a device a physiological parameter of a user of the device (pars [0033] [0046] teach a physiological state and the physiological signal collecting device is a micro physiological signal sensor capable of detecting one or more types of signals

including neural signals, electrocardiogram signals, electromyogram signals, gravity acceleration, temperature, and vocal signals to collect information on the physiological state or needs of a user and outputting a physiological signal corresponding to the physiological state of the user includes the time of the data reads on physiological parameter);

determining whether or not the physiological parameter that is sensed satisfies a criterion (pars [0030-0034] [0044-0046], and [0054-0055] detect the physiological state or physiological signal that is sensed satisfies); and

responsive to determining that the physiological parameter that is sensed satisfies the criterion (pars [0029-0034] [0040-0041], and [0046] teach detecting one or more types of signals including neural signals, electrocardiogram signals, electromyogram signals, gravity acceleration, temperature, and vocal signals to collect information on the physiological state which reads on the physiological parameter),

Kuo does not explicitly teach enabling a number of functions of the device while disabling a function of the device.

Abell, in the same field of endeavor, teaches enabling a number of functions of the device while disabling a function of the device (Abstract, pars [0009-0010] [0032] teach enabling the device to receive multiple functions).

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Kuo to Abell, in order to provide a method and system for authorizing payment of a financial transaction via a Bluetooth enabled device with more efficient that provided to complete in person financial transactions (as suggested by Abell in paragraph [0007-0008]).

Regarding **claims 2 and 10**, the combination of Kuo and Abell teach the method of Claims 1, 9, Kuo does not teach wherein said enabling a number of functions of the device comprises enabling a number of functions that is greater than **or** equal to one.

Abell, in the same field of endeavor, teaches wherein said enabling a number of functions of the device comprises enabling a number of functions that is greater than **or** equal to one (pars [0040-0041] teach enabling/disabling the multiple function that compared between an estimate of location based on the distance of the wireless mobile device).

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Kuo to Abell, in order to provide a method and system for authorizing payment of a financial transaction via a Bluetooth enabled device with more efficient that provided to complete in person financial transactions (as suggested by Abell in paragraph [0007-0008]).

Regarding **claims 3 and 11**, the combination of Kuo and Abell teach the method of Claims 1, 9, Kuo further teaches comprising: while said number of functions is enabled by having sensed by the device the physiological parameter and by having determined that the physiological parameter that is sensed satisfies the criterion,

Kuo does not teach requesting by the device from a second device an authorization to enable a function for conducting a financial transaction; responsive to the requesting, receiving by the device from the second device the authorization to enable the function for conducting the financial transaction; and responsive to receiving

the authorization, enabling at the device the function for conducting the financial transaction (pars [0030-0034] [0044-0046], and [0054-0055] teach responsive to the authorization to enable the function for conducting the financial transaction).

Abell, in the same field of endeavor, teaches requesting by the device from a second device an authorization to enable a function for conducting a financial transaction (pars [0009-0014]); responsive to the requesting, receiving by the device from the second device the authorization to enable the function for conducting the financial transaction (pars [0009-0014]); and responsive to receiving the authorization, enabling at the device the function for conducting the financial transaction (pars [0009-0014] [0036] teach responsive to receiving the authorization, enabling at the device the function for receiving or conducting the financial transaction).

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Kuo to Abell, in order to provide a method and system for authorizing payment of a financial transaction via a Bluetooth enabled device with more efficient that provided to complete in person financial transactions (as suggested by Abell in paragraph [0007-0008]).

Regarding **claims 4 and 12**, the combination of Kuo and Abell teach the method of Claims 3, 11, Kuo does not teach comprising: responsive to the device satisfying a proximity condition relative to an entity and responsive to the device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product.

Abell, in the same field of endeavor, teaches comprising: responsive to the device satisfying a proximity condition relative to an entity and responsive to the device sensing the physiological parameter and determining that the physiological parameter sensed satisfies the criterion (pars [0009-0014]), using the function for conducting the financial transaction and conducting the financial transaction by paying for a product (pars [0009-0010] [0014] [0036] teach conducting the financial transaction by paying for a product or item).

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Kuo to Abell, in order to provide a method and system for authorizing payment of a financial transaction via a Bluetooth enabled device with more efficient that provided to complete in person financial transactions (as suggested by Abell in paragraph [0007-0008]).

Regarding **claims 5 and 13**, the combination of Kuo and Abell teach the method of Claims 3, 11, Kuo does not teach comprising: enabling at the second device a function for conducting the financial transaction.

Abell, in the same field of endeavor, teaches comprising: enabling at the second device a function for conducting the financial transaction (pars [0009-0010] [0014] [0036] teach enabling the device for conducting the financial transaction).

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Kuo to Abell, in order to provide a method and system for authorizing payment of a financial

transaction via a Bluetooth enabled device with more efficient that provided to complete in person financial transactions (as suggested by Abell in paragraph [0007-0008]).

Regarding **claims 6 and 14**, the combination of Kuo and Abell teach the method of Claims 1, 9, Kuo further teaches wherein the device comprises a wireless device (pars [0003] [0030] teach the wireless device).

Regarding **claims 7 and 15**, the combination of Kuo and Abell teach the method of Claims 6, 14, Kuo further teaches wherein the wireless device comprises a smartphone (pars [0003] [0030] teach the mobile phone).

Regarding **claim 8**, the combination of Kuo and Abell teach the method of Claim 1, Kuo further teaches wherein said determining whether or not the physiological parameter that is sensed satisfies a criterion comprises: determining by the device whether or not the physiological parameter that is sensed satisfies the criterion (pars [0030-0034] [0044-0046], and [0054-0055] teach detecting one or more types of signals including neural signals, electrocardiogram signals, electromyogram signals, gravity acceleration, temperature, and vocal signals to collect information on the physiological state which reads on the physiological parameter).

Regarding to **claim 9**, the claim is interpreted and rejected for the same reason as set forth in claim 1.

Regarding **claim 16**, Kuo teaches a method comprising: sensing by a wireless device a physiological parameter of a user of the wireless device; determining whether or not the physiological parameter that is sensed satisfies a criterion (pars [0030-0034] [0044-0046], and [0054-0055]); responsive to the physiological parameter sensed satisfying the criterion, enabling a number of functions of the wireless device (pars [0033] [0046] teach a physiological state, and the physiological signal collecting device is a micro physiological signal sensor capable of detecting one or more types of signals including neural signals, electrocardiogram signals, electromyogram signals, gravity acceleration, temperature, and vocal signals to collect information on the physiological state or needs of a user and outputting a physiological signal corresponding to the physiological state of the user includes the time of the data reads on physiological parameter);

Kuo does not teach requesting by the wireless device from a second device an authorization to enable a function for conducting a financial transaction; responsive to the requesting, receiving by the wireless device from the second device the authorization to enable the function for conducting the financial transaction (pars [0009-0012]); responsive to receiving the authorization (pars [0009-0010]), enabling at the wireless device the function for conducting the financial transaction (pars {0009-0010} [0036]); and 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 (pars [0009-0012]), using the function for conducting the financial transaction and conducting the financial transaction by paying for a product (pars {0009-0010} [0036]).

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Kuo to Abell, in order to provide a method and system for authorizing payment of a financial transaction via a Bluetooth enabled device with more efficient that provided to complete in person financial transactions (as suggested by Abell in paragraph [0007-0008]).

Regarding **claims 17 and 23**, the combination of Kuo and Abell teach the method of Claims 16, 22, Kuo does not teaches wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one while disabling a function of the wireless device.

Abell, in the same field of endeavor, teaches wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one while disabling a function of the wireless device (pars [0040-0041] enabling/disabling the multiple function that compared between an estimate of location based on the distance of the wireless mobile device).

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Kuo to Abell, in order to provide a method and system for authorizing payment of a financial transaction via a Bluetooth enabled device with more efficient that provided to complete in person financial transactions (as suggested by Abell in paragraph [0007-0008]).

Regarding **claims 18 and 24**, the combination of Kuo and Abell teach the method of Claims 16, 22, Kuo does not teach comprising: enabling at the second device a function for conducting the financial transaction.

Abell, in the same field of endeavor, teaches comprising: enabling at the second device a function for conducting the financial transaction (pars {0009-0010} [0036]).

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Kuo to Abell, in order to provide a method and system for authorizing payment of a financial transaction via a Bluetooth enabled device with more efficient that provided to complete in person financial transactions (as suggested by Abell in paragraph [0007-0008]).

Regarding **claims 19 and 25**, the combination of Kuo and Abell teach the method of Claims 16, 22, Kuo further teaches wherein the wireless device comprises a smartphone (pars [0003] [0036]).

Regarding **claim 20**, the combination of Kuo and Abell teach the method of Claim 16, Kuo further teaches wherein said determining whether or not the physiological parameter that is sensed satisfies a criterion comprises: determining by the wireless device whether or not the physiological parameter that is sensed satisfies the criterion (pars [0033] [0046] teach a physiological state and The physiological signal collecting device is a micro physiological signal sensor capable of detecting one or more types of signals including neural signals, electrocardiogram signals, electromyogram signals, gravity acceleration, temperature, and vocal signals to collect information on the

physiological state or needs of a user and outputting a physiological signal corresponding to the physiological state of the user includes the time of the data reads on parameter).

Regarding **claim 21**, the combination of Kuo and Abell teach the method of Claim 16, Kuo further teaches wherein said enabling a number of functions of the wireless device comprises: enabling by the wireless device the number of functions of the wireless device (pars [0030-0034] [0044-0046], and [0054-0055] teach the enable/disable modes/functions of the wireless device).

Regarding to **claim 22**, the claim is interpreted and rejected for the same reason as set forth in claim 1.

Regarding **claim 26**, the combination of Kuo and Abell teach the wireless device of Claim 22, Kuo does not clearly teach 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 and said wirelessly receiving comprises using a time domain duplex protocol; 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 a 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.

Abell, in the same field of endeavor, teaches 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 (pars [0025-0026] teach short range wireless RF transmission); wirelessly transmitting information to the entity using unlicensed frequencies (pars [0025-0026]); and wirelessly receiving information from the entity using unlicensed frequencies; wherein said wirelessly transmitting and said wirelessly receiving comprises using a time domain duplex protocol (pars [0025-0026]); 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 a 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 (pars [0025-0026] [0033-0035]).

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Kuo to Abell, in order to provide a method and system for authorizing payment of a financial transaction via a Bluetooth enabled device with more efficient that provided to complete in person financial transactions (as suggested by Abell in paragraph [0007-0008]).

Regarding **claim 27**, the combination of Kuo and Abell teach the wireless device of Claim 22, Kuo does not clearly teach wherein said requesting from a second device an authorization to enable a function for conducting a financial transaction and/or said

receiving from the second device the authorization to enable the function for conducting the financial transaction comprises: establishing by the wireless device a link with the second device, comprising a wireless link that comprises a distance that is greater than a distance associated with the proximity condition; 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 and/or said wirelessly receiving comprises using an orthogonal frequency division multiplexing and/or orthogonal frequency division multiple access 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.

Abell, in the same field of endeavor, teaches wherein said requesting from a second device an authorization to enable a function for conducting a financial transaction (pars {0009-0010} [0036] teach the authorization to enable for the financial transaction) **and/or** said receiving from the second device the authorization to enable the function for conducting the financial transaction comprises: establishing by the wireless device a link with the second device, comprising a wireless link that comprises a distance that is greater than a distance associated with the proximity condition; 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 **and/or** said wirelessly receiving comprises using an orthogonal frequency division multiplexing and/or orthogonal frequency division multiple access 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.

Therefore, it would have been obvious before the effective filing date of the claimed invention to one of ordinary skill in the art to provide the above teaching of Kuo to Abell, in order to provide a method and system for authorizing payment of a financial transaction via a Bluetooth enabled device with more efficient that provided to complete in person financial transactions (as suggested by Abell in paragraph [0007-0008]).

Conclusion

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

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

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on (571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MICHAEL T VU/

Primary Examiner, Art Unit 2641



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/653,748	03/07/2022	Peter D. Karabinis	1348.002US7	5921
138517	7590	06/15/2023		
Carlson, Caspers, Vandenburg & Lindquist, P.A. 225 S. Sixth St. Ste. 4200 Minneapolis, MN 55402			EXAMINER VU, MICHAEL T	
			ART UNIT 2641	PAPER NUMBER
			NOTIFICATION DATE 06/15/2023	DELIVERY MODE 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@apcoll.com

<i>Applicant-Initiated Interview Summary</i>	Application No. 17/653,748	Applicant(s) Karabinis et al.		
	Examiner MICHAEL T VU	Art Unit 2641	AIA (First Inventor to File) Status No	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
MICHAEL T VU	Primary Examiner	Telephonic
Aaron W. Pederson	Attorney	

Date of Interview: 12 June 2023

Issues Discussed:

Other

Applicant's representative (Aaron Pederson) discussed and explained the invention of claims 1 and 16 to get clarification and addition advisement. Further discussed the prior arts (Kuo/Abell). During the conversation, the Examiner suggests that the applicant should amend to clarify the steps of how sensing , determining, (further defines the physiological parameter means), and also response to the physiological parameter between the two different devices such as the heart rate, in which compares or authorizes based on the matched fingerprint....for conducting the financial transaction by paying the product, etc. The Examiner also suggests that the Applicant should cancel the very broad claims 1 & 9. In order to place the application in condition for allowance, however, it was not reached at this time.

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	
Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04 Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing	

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

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 17/653,748		Filing Date 03/07/2022		☐ To be Mailed		
ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO										
APPLICATION AS FILED - PART I										
		(Column 1)	(Column 2)							
FOR		NUMBER FILED	NUMBER EXTRA		RATE (\$)		FEE (\$)			
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A	N/A		N/A					
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))		N/A	N/A		N/A					
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A	N/A		N/A					
TOTAL CLAIMS (37 CFR 1.16(j))		minus 20 =	*		x \$50 =					
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 =	*		x \$240 =					
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))										
* If the difference in column 1 is less than zero, enter "0" in column 2.					TOTAL					
APPLICATION AS AMENDED - PART II										
		(Column 1)	(Column 2)		(Column 3)					
AMENDMENT	06/22/2023	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(j))	* 18	Minus	** 27	= 0		x \$40 =		0	
	Independent (37 CFR 1.16(h))	* 4	Minus	*** 4	= 0		x \$192 =		0	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
								TOTAL ADD'L FEE		0
AMENDMENT		(Column 1)	(Column 2)		(Column 3)					
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(j))	*	Minus	**	=		x \$0 =			
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x \$0 =			
	☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
								TOTAL ADD'L FEE		
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.								SPE		
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".								/KARA E CRESTWELL/		
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This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/653,748

RECEIPT DATE / TIME
06/22/2023 01:52:49 PM ET

ATTORNEY DOCKET #
1348.002US7

Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 5921

FILED BY Sage Kruse

PATENT CENTER # 62318319

FILING DATE 03/07/2022

CUSTOMER # 138517

FIRST NAMED INVENTOR Peter D. Karabinis

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Aaron Pederson

Documents

TOTAL DOCUMENTS: 4

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
ResponsetoNFOA1348002US7.pdf		13	-	132 KB
ResponsetoNFOA1348002US7-A....pdf	(1-1)	1	Amendment/Request for Reconsideration-After Non-Final Rejection	66 KB
ResponsetoNFOA1348002US7-SPEC.pdf	(2-2)	1	Specification	65 KB
ResponsetoNFOA1348002US7-CLM.pdf	(3-9)	7	Claims	84 KB
ResponsetoNFOA1348002	(10-13)	4	Applicant Arguments/Remarks	105 KB

US7-REM.pdf

Made in an Amendment

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
ResponsetoNFOA1348002US7- pdf	15665043CCC7A235FC51B6D5D68D4AB095F63EAA072933FBC D98C4AB9027505559FC88A682ECFFEB324A628490298545649 A34DC2B0BB2814C2A0654557C9C26
ResponsetoNFOA1348002US7- A....pdf	6A573FAEEED34C79BBC2237EF6A358F9A3B92ECE74C0B3BC F05F6AF3A5FC4457EC511C61A8CE199A7DA276B537F2054FF 9315327930CC7C849F7336D7FB9A900
ResponsetoNFOA1348002US7- SPEC.pdf	C749D69E957468BF0254C2884F48725408CAD01405CF0E5978 6CB72CA0DF0414C8AEFAF8E9BF2BEF457904C38DF5B3BD65 68D05BE035C2B42B5D20EA40258EFF
ResponsetoNFOA1348002US7- CLM.pdf	80193DC191CA41A3FFEA983CCF96F221FD40C24975DBBE788 1EDC48855043D39A17C1E421D6989B60B78E4ECD0C45F819D 3124BE235E61BA9AC6CFC0E27247FD
ResponsetoNFOA1348002US7- REM.pdf	C737B8CC30F5A1D5DF7139F1345135CA51C9FD69A1B1694FD 424F62DD47AB0F3944E808AA5B81B2EFB266A87913F4019069 7909682BA5DAE61D622DDB219CA54

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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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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 17/653,748
Applicant : Telcom Ventures LLC
Filed : March 7, 2022
Art Unit : 2641
Examiner : Michael T VU
Confirmation No.: 5921
Docket No. : 1348.002US7
Customer No. : 138517
Title : METHOD AND APPARATUS FOR SENSING PRODUCTS FOR
PURCHASE

RESPONSE TO NON-FINAL OFFICE ACTION

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

Sir:

In response to the Non-Final Office Action mailed June 8, 2023, please consider the following:

Amendments to the Specification, beginning on page 2 of this paper;

Amendments to the Claims, beginning at page 3 of this paper; and

Remarks, beginning on page 10 of this paper.

Should any 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.

Application No. 17/653,748

Response to Non-Final Office Action mailed June 8, 2023

AMENDMENTS TO THE SPECIFICATION

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

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

AMENDMENTS TO THE CLAIMS

Listing of Claims:

1. (Currently Amended) A method of operating a device, the method comprising:
sensing ~~by a device a physiological~~ the device, using a device-based sensor, a parameter that
is associated with ~~of a user of the device;~~
determining ~~whether or not the physiological parameter that is sensed satisfies a criterion by~~
the device a value that is associated with the parameter that is sensed; and
responsive to ~~determining that the physiological~~ the value that is determined by the device
for the parameter that is sensed ~~satisfies the criterion~~ satisfying a threshold criterion, enabling by
the device a number of functions of the device ~~while~~ and disabling by the device a function of
the device;
wherein the parameter that is sensed and is associated with the device, using the device-based
sensor, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height,
a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a
physiological state and/or a psychological state; and
wherein the device comprises a smartphone.
2. (Currently Amended) The method of Claim 1, wherein said enabling by the device a
number of functions of the device comprises enabling by the device a number of functions of the
device that is greater than or equal to one.
3. (Currently Amended) The method of Claim 1, further comprising:
while said number of functions is enabled by having sensed by the device ~~the physiological~~
parameter and by having determined by the device ~~that the physiological~~ value of the parameter
that is sensed satisfies the threshold criterion, requesting by the device from a second device an
authorization to enable a function for conducting a financial transaction by the device;
responsive to the requesting, receiving by the device from the second device the
authorization to enable the function for conducting the financial transaction; and
responsive to receiving the authorization, enabling at the device the function for conducting
the financial transaction.

4. (Currently Amended) The method of Claim 3, further comprising:
responsive to the device satisfying a proximity condition relative to an entity and responsive to the device sensing the ~~physiological~~ parameter and determining ~~that the physiological~~ the value that is associated with parameter that is sensed satisfies the threshold criterion, using ~~by the device~~ the function for conducting the financial transaction and conducting by the device the financial transaction by paying for a product.
5. (Original) The method of Claim 3, further comprising:
enabling at the second device a function for conducting the financial transaction.
- 6.-8. (Cancelled)
9. (Currently Amended) A device that is configured to perform operations comprising:
sensing a physiological by the device, using a device-based sensor, a parameter that is associated with of a user of the device;
~~determining whether or not the physiological parameter that is sensed satisfies a criterion by~~
the device a value that is associated with the parameter that is sensed; and
~~responsive to determining that the physiological~~ the value that is determined by the device for the parameter that is sensed satisfies the criterion satisfying a threshold criterion, enabling ~~by the device~~ a number of functions of the device while and disabling by the device a function of the device;
wherein the parameter that is sensed and is associated with the device, using the device-based sensor, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and
wherein the device comprises a smartphone.
10. (Currently Amended) The device of Claim 9, wherein said enabling by the device a number of functions of the device comprises enabling by the device a number of functions of the device that is greater than or equal to one.

11. (Currently Amended) The device of Claim 9, wherein the operations further comprise:
while said number of functions is enabled by having sensed the ~~physiological~~ parameter and
by having determined by the device that the ~~physiological~~ value of the parameter that is sensed
satisfies the threshold criterion, requesting by the device from a second device an authorization
to enable a function for conducting a financial transaction by the device;
responsive to the requesting, receiving from the second device the authorization to enable the
function for conducting the financial transaction; and
responsive to receiving the authorization, enabling the function for conducting the financial
transaction.

12. (Currently Amended) The device of Claim 11, wherein the operations further comprise:
detecting by the device that a proximity condition ~~relative to an entity~~ has been satisfied
between the device and an entity;
sensing by the device the ~~physiological~~ parameter and determining ~~that the physiological~~ by
the device the value that is associated with the parameter that is sensed satisfies the threshold
criterion; and
responsive to the value that is associated with the parameter that is sensed satisfying the
threshold criterion, using by the device the function for conducting the financial transaction and
conducting by the device the financial transaction by paying for a product.

13. (Original) The device of Claim 11, wherein the operations further comprise:
causing a function for conducting the financial transaction to be enabled at the second device.

14.-15. (Cancelled)

16. (Currently Amended) A method of operating a wireless device, the method comprising:
sensing by [[a]] the wireless device, using a sensor of the wireless device, a physiological
parameter that is associated with ~~of a user of the wireless device~~;
determining ~~whether or not the physiological parameter that is sensed satisfies a criterion by~~
the wireless device a value that is associated with the parameter that is sensed and determining

by the wireless device whether or not the value that is determined for the parameter that is sensed satisfies a threshold criterion;

responsive to the ~~physiological~~ value that is determined by the wireless device for the parameter that is sensed satisfying the threshold criterion, enabling by the wireless device a number of functions of the wireless device and disabling by the wireless device a function of the wireless device;

requesting by the wireless device from a second device an authorization to enable a function for conducting a financial transaction;

responsive to the requesting, receiving by the wireless device from the second device the authorization to enable the function for conducting the financial transaction;

responsive to receiving the authorization, enabling at the wireless device the function for conducting the financial transaction; and

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 value associated with the ~~physiological~~ parameter sensed satisfies the threshold criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product;

wherein the parameter that is sensed and is associated with the wireless device, using the sensor of the wireless device, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and

wherein the wireless device comprises a smartphone.

17. (Currently Amended) The method of Claim 16, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one ~~while disabling a function of the wireless device.~~

18. (Original) The method of Claim 16, further comprising:
enabling at the second device a function for conducting the financial transaction.

19.-21. (Cancelled)

22. (Currently Amended) A wireless device that is configured to perform operations comprising:

- sensing a ~~physiological parameter of a user of~~ that is associated with the wireless device;
- ~~determining whether or not the physiological parameter that is sensed satisfies a criterion a~~
value that is associated with the parameter that is sensed and determining whether or not the
value that is determined satisfies a threshold criterion;
- ~~responsive to the physiological parameter sensed~~ value that is determined for the parameter
that is sensed satisfying the threshold criterion, enabling a number of functions of the wireless
device and disabling a function of the wireless device;
- requesting from a second device an authorization to enable a function for conducting a
financial transaction;
- responsive to the requesting, receiving from the second device the authorization to enable the
function for conducting the financial transaction;
- responsive to receiving the authorization, enabling the function for conducting the financial
transaction; and
- 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~~ value of the parameter sensed satisfies the threshold criterion, using the function
for conducting the financial transaction and conducting the financial transaction by paying for a
product;
- wherein the parameter that is sensed and is associated with the wireless device, comprises a
velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness,
a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a
psychological state; and
- wherein the wireless device comprises a smartphone.

23. (Currently Amended) The wireless device of Claim 22, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one ~~while disabling a function of the wireless device.~~

24. (Original) The wireless device of Claim 22, wherein the operations further comprise:
causing a function for conducting the financial transaction to be enabled at the second device.

25. (Cancelled)

26. (Currently Amended) The wireless device of Claim 22, 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 and said wirelessly receiving comprises using a time domain duplex protocol; 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 value associated therewith ~~physiological parameter sensed~~ satisfies the threshold criterion.

27. (Currently Amended) The wireless device of Claim 22, wherein said requesting from a second device an authorization to enable a function for conducting a financial transaction and/or said receiving from the second device the authorization to enable the function for conducting the financial transaction comprises:

establishing by the wireless device a link with the second device, comprising a wireless link that comprises a distance that is greater than a distance associated with the proximity condition;

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 and/or said wirelessly receiving comprises using an orthogonal frequency division multiplexing and/or orthogonal frequency division multiple access 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~~ value that is determined for the parameter sensed satisfies the threshold criterion.

REMARKS

This paper is responsive to the Non-Final Office Action dated June 8, 2023, wherein claims 1-27 were pending and rejected. With this paper, claims 1-4, 9-12, 16, 17, 22, 23, 26, and 27 are amended, and claims 6-8, 14-15, 19-21, and 25 are cancelled. Upon entry, claims 1-5, 9-13, 16-18, 22-24, 26, and 27 will be pending in this application. Reconsideration and further prosecution of the present application is respectfully requested.

Examiner Interview Summary

Applicant's representative, Aaron Pederson (Reg. No. 58,607) thanks Examiner Vu for the opportunity to discuss aspects of the subject application in a telephone call on June 12, 2023. During the telephone call, the 103 rejection to claim 1 was discussed. In particular, it was discussed whether Kuo and Abell made obvious the language:

responsive to determining that the physiological parameter that is sensed satisfies the criterion, enabling a number of functions of the device while disabling a function of the device

as recited in claim 1. No agreement was reached.

Applicant believes the substance and scope of the telephone conversation on June 12, 2023, with respect to this application is accurately captured in the summary above.

Double Patenting

Claims 1, 9, 16 and 22 are rejected on the ground of non-statutory obviousness-type double patenting as being unpatentable over claims 1, 7 and 17 of Patent No. 11,304,118. Applicant respectfully requests that the double patenting rejections be held in abeyance until final resolution on the claims is reached.

Rejections Under 35 U.S.C. § 103

Claims 1-27 were rejected under 35 USC § 103 as being unpatentable over Kuo et al. (US 2009/0058637) in view of Abell et al. (US 2003/0172028). Applicant respectfully traverses these rejections.

Regarding the Examiner's rejection of independent claims 1 and 9, Applicant respectfully disagrees that Kuo and Abell made obvious:

responsive to determining that the physiological parameter that is sensed satisfies the criterion, enabling a number of functions of the device while disabling a function of the device

as recited in claim 1 and similarly in claim 9 (emphasis added).

Regarding the Examiner's rejection of independent claims 16 and 22, Applicant respectfully disagrees that Kuo and Abell made obvious:

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 for conducting the financial transaction and conducting the financial transaction by paying for a product

as recited in claim 16 and similarly in claim 22 (emphasis added).

On page 5 of the Office Action, in rejecting independent claim 1, the Examiner concedes that "Kuo does not explicitly teach enabling a number of functions of the device while disabling a function of the device." In an effort to provide the teachings missing in Kuo, the Examiner cites Abell and states: "Abell, in the same field of endeavor, teaches enabling a number of functions of the device while disabling a function of the device (Abstract, pars [0090-0010] [0032] teach enabling the device to receive multiple functions)." However, nowhere in the sections of Abell that the Examiner cites does Abell teach anything relating to "disabling a function of the device." In fact, a global word search of Abell does NOT return anything relating to "disabling".

Regarding independent claim 16, the Examiner contends that Kuo teaches "determining whether or not the physiological parameter that is sensed satisfies a criterion" and "responsive to the physiological parameter sensed satisfying the criterion, enabling a number of functions of the wireless device". (See lines 2-4 of page 10 of the Office Action). Applicant respectfully disagrees. Even though Kuo teaches sensing of a physiological parameter, Kuo **DOES NOT** teach determining whether or not the sensed physiological parameter satisfies any criterion. Kuo

simply senses and relays that which is sensed. Furthermore, Kuo **DOES NOT** enable any function(s) of the wireless device **responsive to** any physiological parameter that is sensed satisfying a criterion. Kuo simply senses and transmits the sensed value without teaching any examination (or comparison) thereof with anything else in order to determine whether or not that which is sensed satisfies any criterion.

Nevertheless, based on the Examiner interview, and solely for the purpose of advancing the present Application to allowance, Applicant has amended independent claims 1, 9, 16, and 22 to provide further detail, further clarifying the inventions recited therein, and further distinguishing over the cited art by the Examiner. With the present amendment, each one of the independent claims now recites *“responsive to the value that is determined ... enabling ... a number of functions ... and disabling a function”*.

For at least these reasons, Applicant respectfully asserts that the combination of Kuo and Abell does not teach or suggest each and every limitation of independent claims 1, 9, 16 and 22. Accordingly, Applicant respectfully requests reconsideration and withdrawal of the rejection of claims 1, 9, 16 and 22 under 35 USC § 103 with respect to Kuo and Abell.

Claims 2-8, 10-15, 17-21 and 23-27 variously depend from or contain similar language to claims 1, 9, 16 and 22. Accordingly, Applicant respectfully requests reconsideration and withdrawal of the rejection of these claims for the reasons provided above with respect to claims 1, 9, 16 and 22.

Application No. 17/653,748
Response to Non-Final Office Action mailed June 8, 2023

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 is 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.

Customer No. 138517

Respectfully submitted,

Date: June 22, 2023

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APPLICATION #
17/653,748

RECEIPT DATE / TIME
06/28/2023 07:33:16 PM ET

ATTORNEY DOCKET #
1348.002US7

Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 5921

FILED BY Sage Kruse

PATENT CENTER # 62357852

AUTHORIZED BY Aaron Pederson

CUSTOMER # 138517

FILING DATE 03/07/2022

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Peter D. Karabinis

Payment Information

PAYMENT METHOD
DA / 502880

PAYMENT TRANSACTION ID
E20236RJ 34115707

PAYMENT AUTHORIZED BY
Sage Kruse

PRE-AUTHORIZED ACCOUNT
502880

PRE-AUTHORIZED CATEGORY
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)

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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-22)

Approved for use through 05/31/2024. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		17653748	
	Filing Date		2022-03-07	
	First Named Inventor	Peter D. Karabinis		
	Art Unit	2641		
	Examiner Name	Michael T VU		
	Attorney Docket Number	1348.002US7		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	17653748
	Filing Date	2022-03-07
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Michael T VU
	Attorney Docket Number	1348.002US7

1	"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.	☐
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EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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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	17653748
	Filing Date	2022-03-07
	First Named Inventor	Peter D. Karabinis
	Art Unit	2641
	Examiner Name	Michael T VU
	Attorney Docket Number	1348.002US7

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)	2023-06-28
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:

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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.
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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.



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/653,748

RECEIPT DATE / TIME
06/28/2023 07:33:16 PM ET

ATTORNEY DOCKET #
1348.002US7

Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 5921

FILED BY Sage Kruse

PATENT CENTER # 62357852

FILING DATE 03/07/2022

CUSTOMER # 138517

FIRST NAMED INVENTOR Peter D. Karabinis

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Aaron Pederson

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
IDS1348002US7.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1252 KB
Whatarephysiologicalbiometrics.pdf	5	Non Patent Literature	1150 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
IDS1348002US7.pdf	2B2CA4C606F21971FEE5FED19BC05B9669C88CA56E6895E4433AB33A386ECD1F41E5EAF85BD137996E8D76822E1581D99B

B995E09C7DFC430630D2D78E296854

Whatarephysiologicalbiometrics.
pdf

B822144EE8070F25FCE5EBC0010624023B6081D4E81B97E8A
B3059F42431CB304E0E04849D4945A3557B6BDEFA8C275DD0
EF4D7C51AF2A493541886228C280D9

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New Applications Under 35 U.S.C. 111

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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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TERMINAL DISCLAIMER TO OBVIATE A PROVISIONAL DOUBLE PATENTING REJECTION OVER A PENDING "REFERENCE" APPLICATION

APPLICATION #
17653748

FILING DATE
03/07/2022

FIRST NAMED INVENTOR
Peter Karabinis

ATTORNEY DOCKET #
1348.002US7

Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE



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
Telecom 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
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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 #

11304118

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.

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

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.



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APPROVAL LETTER

APPLICATION #
17/653,748

FILING DATE
03/07/2022

APPLICANT/PATENT UNDER REEXAMINATION
Peter Karabinis

Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Electronic terminal disclaimer filed on 07/05/2023

☒ Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/653,748

RECEIPT DATE / TIME
07/05/2023 02:52:47 PM ET

ATTORNEY DOCKET #
1348.002US7

Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 5921

FILED BY Aaron Pederson

PATENT CENTER # 62388934

FILING DATE 03/07/2022

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)	48 KB
grantLetter.pdf	1	Terminal Disclaimer-Electronic- Approved	19 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
petition-request.pdf	C2ECB8A16F9488153858F1118B0D825D22A04B537BDF230B84 A283823213544C5EA544E8CE89A522A133341A41313F7D6C72

031D326E838B8BC4314E4BEDA25D

grantLetter.pdf

FF09E16ADE764D3A38876860A1AB7527E7C8C6EC7A4DE7B7
FA4FA84EC959B38F1678E0D12F36C901AA69A43BF8D6338A1
6975AAC620A257D8BEC AAF F178ABB18

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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

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.



ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/653,748

RECEIPT DATE / TIME
07/05/2023 02:52:47 PM ET

ATTORNEY DOCKET #
1348.002US7

Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 5921

FILED BY Aaron Pederson

PATENT CENTER # 62388934

AUTHORIZED BY -

CUSTOMER # 138517

FILING DATE 03/07/2022

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Peter D. Karabinis

Payment Information

PAYMENT METHOD
DA / 502880

PAYMENT TRANSACTION ID
E202375E53117247

PAYMENT AUTHORIZED BY
Aaron Pederson

PRE-AUTHORIZED ACCOUNT
502880

PRE-AUTHORIZED CATEGORY
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(\$)
2814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	170.00	1	170.00
TOTAL AMOUNT:				\$170.00

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/653,748

RECEIPT DATE / TIME
07/06/2023 05:02:24 PM ET

ATTORNEY DOCKET #
1348.002US7

Title of Invention

METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 5921

FILED BY Sage Kruse

PATENT CENTER # 62398387

FILING DATE 03/07/2022

CUSTOMER # 138517

FIRST NAMED INVENTOR Peter D. Karabinis

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Aaron Pederson

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
SupplementalAmendment1348002US7.pdf	8	-	81 KB
SupplementalAmendment1348002US7-SA...pdf	(1-1) 1	Supplemental Response or Supplemental Amendment	62 KB
SupplementalAmendment1348002US7-CLM.pdf	(2-7) 6	Claims	73 KB
SupplementalAmendment1348002US7-REM.pdf	(8-8) 1	Applicant Arguments/Remarks Made in an Amendment	63 KB

Digest

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SupplementalAmendment13480 02US 7.pdf	1F92E26FAE94F25DCA780DBD6FDE5AA0D3C9918D08EEC26D C806C854C36E39C21B8DC119A4EE0BC34AADE73A9EDCCDF 7B8922903697CD7811A84CEB2A685E1F0
SupplementalAmendment13480 02US 7-SA...pdf	10B3B69C88ED66A8B714EC2289BE9A1092472F7C2E0105F5D 5512D0A6A1D7291F61B2CBD0B2EAC4312881E45851D89A20B DECC594261692DED39303A6F04DAF8
SupplementalAmendment13480 02US 7-CLM.pdf	BB45C28835D3B34F5F440CC9BDA03EF04FC723E37370FA004 73AD2EAF556B0644FAC252BF339991FA7778EC15461505771F 64AF15C7BDBC8E555A274A7333526
SupplementalAmendment13480 02US 7-REM.pdf	A380CD9E14B93FB17538D1A700EDC44E9BA5ADDA80526E84 072ED157440751942DBE7A328CF0C663D6DE544B9362FB495 E11829EA669FB2FCC62D73E97E16443

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

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 17/653,748
Applicant : Telcom Ventures LLC
Filed : March 7, 2022
Art Unit : 2641
Examiner : Michael T VU
Confirmation No.: 5921
Docket No. : 1348.002US7
Customer No. : 138517
Title : MOBILE DEVICE MODE ENABLEMENT/DISABLEMENT
RESPONSIVE TO SENSING A PHYSIOLOGICAL PARAMETER

SUPPLEMENTAL AMENDMENT

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

Sir:

Please consider the following:

Amendments to the Claims, beginning at page 2 of this paper; and

Remarks, beginning on page 8 of this paper.

Should any 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.

AMENDMENTS TO THE CLAIMS

Listing of Claims:

1. (Currently Amended) A method of operating a device, the method comprising:
sensing by the device, using a device-based sensor, a parameter that is associated with the device, an environment of the device and/or a user of the device;
determining by the device a value ~~that is associated with~~ of the parameter that is sensed; and
responsive to the value that is determined by the device for the parameter that is sensed satisfying a threshold criterion, enabling by the device a number of functions of the device and disabling by the device a function of the device;
wherein the parameter that is sensed ~~and is associated with the device~~, using the device-based sensor, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and
wherein the device comprises a smartphone.
2. (Previously Presented) The method of Claim 1, wherein said enabling by the device a number of functions of the device comprises enabling by the device a number of functions of the device that is greater than or equal to one.
3. (Previously Presented) The method of Claim 1, further comprising:
while said number of functions is enabled by having sensed by the device the parameter and by having determined by the device that the value of the parameter that is sensed satisfies the threshold criterion, requesting by the device from a second device an authorization to enable a function for conducting a financial transaction by the device;
responsive to the requesting, receiving by the device from the second device the authorization to enable the function for conducting the financial transaction; and
responsive to receiving the authorization, enabling at the device the function for conducting the financial transaction.

4. (Previously Presented) The method of Claim 3, further comprising:
responsive to the device satisfying a proximity condition relative to an entity and responsive to the device sensing the parameter and determining the value that is associated with parameter that is sensed satisfies the threshold criterion, using by the device the function for conducting the financial transaction and conducting by the device the financial transaction by paying for a product.
5. (Original) The method of Claim 3, further comprising:
enabling at the second device a function for conducting the financial transaction.
- 6.-8. (Cancelled)
9. (Currently Amended) A device that is configured to perform operations comprising:
sensing by the device, using a device-based sensor, a parameter that is associated with ~~of a user of the device,~~ an environment of the device and/or a user of the device;
determining by the device a value ~~that is associated with~~ of the parameter that is sensed; and
responsive to the value that is determined by the device for the parameter that is sensed satisfying a threshold criterion, enabling by the device a number of functions of the device and disabling by the device a function of the device;
wherein the parameter that is sensed ~~and is associated with the device,~~ using the device-based sensor, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and
wherein the device comprises a smartphone.
10. (Previously Presented) The device of Claim 9, wherein said enabling by the device a number of functions of the device comprises enabling by the device a number of functions of the device that is greater than or equal to one.
11. (Previously Presented) The device of Claim 9, wherein the operations further comprise:

while said number of functions is enabled by having sensed the parameter and by having determined by the device that the value of the parameter that is sensed satisfies the threshold criterion, requesting by the device from a second device an authorization to enable a function for conducting a financial transaction by the device;

responsive to the requesting, receiving from the second device the authorization to enable the function for conducting the financial transaction; and

responsive to receiving the authorization, enabling the function for conducting the financial transaction.

12. (Previously Presented) The device of Claim 11, wherein the operations further comprise: detecting by the device that a proximity condition has been satisfied between the device and an entity;

sensing by the device the parameter and determining by the device the value that is associated with the parameter that is sensed satisfies the threshold criterion; and

responsive to the value that is associated with the parameter that is sensed satisfying the threshold criterion, using by the device the function for conducting the financial transaction and conducting by the device the financial transaction by paying for a product.

13. (Original) The device of Claim 11, wherein the operations further comprise: causing a function for conducting the financial transaction to be enabled at the second device.

14.-15. (Cancelled)

16. (Currently Amended) A method of operating a wireless device, the method comprising: sensing by the wireless device, using a sensor of the wireless device, a parameter that is associated with the wireless device, an environment of the wireless device and/or a user of the wireless device;

determining by the wireless device a value ~~that is associated with~~ of the parameter that is sensed and determining by the wireless device whether or not the value ~~that is determined for the parameter~~ that is sensed satisfies a threshold criterion;

responsive to the value ~~that is determined by the wireless device for the parameter~~ that is sensed satisfying the threshold criterion, enabling ~~by the wireless device~~ a number of functions of the wireless device and disabling ~~by the wireless device~~ a function of the wireless device;

requesting by the wireless device from a second device an authorization to enable a function for conducting a financial transaction;

responsive to the requesting, receiving by the wireless device from the second device the authorization to enable the function for conducting the financial transaction;

responsive to receiving the authorization, enabling at the wireless device the function for conducting the financial transaction; and

responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the parameter and determining that the value ~~associated with the parameter~~ sensed satisfies the threshold criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product;

wherein the parameter that is sensed ~~and is associated with the wireless device~~, using the sensor of the wireless device, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and

wherein the wireless device comprises a smartphone.

17. (Previously Presented) The method of Claim 16, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one.

18. (Original) The method of Claim 16, further comprising:

enabling at the second device a function for conducting the financial transaction.

19.-21. (Cancelled)

22. (Currently Amended) A wireless device that is configured to perform operations comprising:

using a sensor of the wireless device and sensing a parameter that is associated with the wireless device, an environment of the wireless device and/or a user of the wireless device;

determining a value that is associated with the parameter that is sensed and determining whether or not the value ~~that is determined~~ satisfies a threshold criterion;

responsive to the value ~~that is determined for the parameter that is sensed~~ satisfying the threshold criterion, enabling a number of functions of the wireless device and disabling a function of the wireless device;

requesting from a second device an authorization to enable a function for conducting a financial transaction;

responsive to the requesting, receiving from the second device the authorization to enable the function for conducting the financial transaction;

responsive to receiving the authorization, enabling the function for conducting the financial transaction; and

responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the parameter and determining that the value of the parameter sensed satisfies the threshold criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product;

wherein the parameter that is sensed ~~and is associated with the wireless device~~, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and

wherein the wireless device comprises a smartphone.

23. (Previously Presented) The wireless device of Claim 22, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one.

24. (Original) The wireless device of Claim 22, wherein the operations further comprise:
causing a function for conducting the financial transaction to be enabled at the second device.

25. (Cancelled)

26. (Previously Presented) The wireless device of Claim 22, 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 and said wirelessly receiving comprises using a time domain duplex protocol; 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 parameter and determining that the value associated therewith satisfies the threshold criterion.

27. (Currently Amended) The wireless device of Claim 22, wherein said requesting from a second device an authorization to enable a function for conducting a financial transaction and/or said receiving from the second device the authorization to enable the function for conducting the financial transaction comprises:

- establishing by the wireless device a link with the second device, comprising a wireless link that comprises a distance that is greater than a distance associated with the proximity condition;
- 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 and/or said wirelessly receiving comprises using an orthogonal frequency division multiplexing and/or orthogonal frequency division multiple access 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 parameter and determining that the value ~~that is determined for the parameter~~ sensed satisfies the threshold criterion.

REMARKS

Claims 1-5, 9-13, 16-18, 22-24, 26, and 27 are pending. With this paper, claims 1, 9, 16, 22 and 27 are amended. Claims 6-8, 14-15, 19-21, and 25 were previously cancelled. Upon entry, claims 1-5, 9-13, 16-18, 22-24, 26 and 27 will be pending in this application. The amendments made herein are non substantive and are stylistic amendments made to bring consistency between the verbiage found in the specification and the verbiage found in the claims. Favorable reconsideration and allowance of the application is respectfully requested.

Terminal Disclaimer

The terminal disclaimer filed on July 5, 2023 over U.S. 11,304,118 was filed solely for the purpose of expediting allowance of the application and Applicant does not necessarily agree with the Examiner's reasons regarding the necessity thereof. Applicant believes that the claims of the present application are patentably distinct from the claims of U.S. 11,304,118 that is of concern to the Examiner. One key distinguishing recitation is "...enabling a number of functions and disabling a function..." This distinguishing recitation appears in each independent claim.

SUMMARY

For the reasons set out above, Applicant respectfully submits that the application is in condition for allowance.

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.

Customer No. 138517

Respectfully submitted,

Date: July 6, 2023

/Aaron W. Pederson/

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<i>Search Notes</i> 	Application/Control No. 17/653,748	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641

CPC - Searched*		
Symbol	Date	Examiner
H04W 48/04 H04W 4/02	07/06/2023	MTV

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

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

Search Notes		
Search Notes	Date	Examiner
Inventor Name: Peter D. Karabinis	07/06/2023	MTV
Assignee: Telcom Ventures LLC	07/06/2023	MTV
Double Patent Rejected, TD filed and Approved on 07/05/2023	07/06/2023	MTV
OC Searched System	07/06/2023	MTV

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
Interference	Text Searched	07/06/2023	MTV

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	
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Issue Classification 	Application/Control No. 17/653,748	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641

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	Version
	/		/		

NONE (Assistant Examiner)		Total Claims Allowed: 18	
/MICHAEL T VU/ Primary Examiner, Art Unit 2641 (Primary Examiner)		O.G. Print Claim(s) 1	O.G. Print Figure 1

U.S. Patent and Trademark Office

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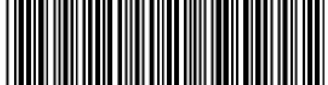
Issue Classification 	Application/Control No. 17/653,748	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641

INTERNATIONAL CLASSIFICATION			
CLAIMED			
H04W	/	4	/ 02
NON-CLAIMED			
/		/	

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

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

NONE (Assistant Examiner)		Total Claims Allowed: 18	
/MICHAEL T VU/ Primary Examiner, Art Unit 2641 (Primary Examiner)		06 July 2023 (Date)	
		O.G. Print Claim(s) 1	O.G. Print Figure 1

Issue Classification 	Application/Control No. 17/653,748	Applicant(s)/Patent Under Reexamination Karabinis et al.
	Examiner MICHAEL T VU	Art Unit 2641

☐ 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	7	10		19										
2	2	8	11		20										
3	3	9	12		21										
4	4	10	13	14	22										
5	5		14	15	23										
	6		15	16	24										
	7	11	16		25										
	8	12	17	17	26										
6	9	13	18	18	27										

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 18	
/MICHAEL T VU/ Primary Examiner, Art Unit 2641 (Primary Examiner) _____ (Date) 06 July 2023		O.G. Print Claim(s) 1	O.G. Print Figure 1

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Part of Paper No.: 20230706

Receipt date: 06/28/2023

17/653,748 - GAU: 2641

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		17653748	
	Filing Date		2022-03-07	
	First Named Inventor	Peter D. Karabinis		
	Art Unit		2641	
	Examiner Name	Michael T VU		
	Attorney Docket Number		1348.002US7	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	17653748
Filing Date	2022-03-07
First Named Inventor	Peter D. Karabinis
Art Unit	2641
Examiner Name	Michael T VU
Attorney Docket Number	1348.002US7

1	"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.	☐
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If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/MICHAEL T VU/	Date Considered	07/03/2023
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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	17653748
Filing Date	2022-03-07
First Named Inventor	Peter D. Karabinis
Art Unit	2641
Examiner Name	Michael T VU
Attorney Docket Number	1348.002US7

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).

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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)	2023-06-28
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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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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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L2	4	"11304118".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 07:40 AM
L3	26138	determin\$6 near9 (physiological ADJ parameter)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 07:42 AM
L4	0	2 AND 3	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 07:42 AM
L5	141634	(physiological ADJ parameter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2023/06/01 07:43 AM

L6	1	2 AND 5	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 07:43 AM
L7	2102655	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:35 AM
L8	4967	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) SAME ((enabl\$4 disabl\$4) NEAR (mode function))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2023/06/01 08:36 AM

L9	1366	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) near12 ((enabl\$4 disabl\$4) NEAR (mode function))	(WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:37 AM
L10	15	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) near12 ((enabl\$4 disabl\$4) NEAR (mode function)) SAME ((financial ADJ transaction) (payment near4 toll) (payment near6 item))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:40 AM
L11	34	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) near12 ((enabl\$6 disabl\$6) NEAR (mode function)) AND ((financial ADJ transaction) (payment near4 toll) (payment near6 item))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:41 AM
L12	1374	(phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) near12 ((enabl\$6 disabl\$6)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2023/06/01 08:42 AM

L13	138	NEAR (mode function)) (phone mobile wireless terminal pda cellular (smart ADJ phone)) SAME (GPS proximit\$3) near12 ((enabl\$6 disabl\$6) NEAR (mode function)) SAME (value parameter)	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:42 AM
L14	4260	(phone mobile wireless terminal pda cellular (smart ADJ phone)) near12 ((enabl\$6 disabl\$6) NEAR (mode function)) SAME (value parameter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:48 AM
L15	402	(phone mobile wireless terminal pda cellular (smart ADJ phone)) WITH (GPS proximit\$4) SAME ((enabl\$6 disabl\$6) NEAR (mode function)) SAME (value parameter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/06/01 08:49 AM

L16	284	(phone mobile wireless terminal pda cellular (smart ADJ phone)) WITH (GPS proximity\$4) SAME ((enable\$6 disable\$6) NEAR (mode function)) SAME (value parameter) SAME (location\$4 position\$4)	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:49 AM
L17	108	(phone mobile wireless terminal pda cellular (smart ADJ phone)) WITH (GPS proximity\$4) SAME ((enable\$6 disable\$6) NEAR (mode function)) SAME (value parameter) near15 (location\$4 position\$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 08:50 AM
L18	246253	((physiological ADJ parameter) (physiological ADJ state))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 09:01 AM
L21	8544	(sensor sens\$4 GPS proximity\$4) SAME (phone mobile wireless terminal pda cellular (smart ADJ phone)) WITH ((physiological ADJ parameter) (physiological ADJ	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2023/06/01 09:02 AM

L22	6817	state)) (sensor sens\$4 GPS proximit\$4) WITH (phone mobile wireless terminal pda cellular (smart ADJ phone)) WITH ((physiological ADJ parameter) (physiological ADJ state))	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 09:02 AM
L23	4371	(sensor sens\$4 GPS proximit\$4) WITH (phone mobile wireless terminal pda cellular (smart ADJ phone)) near12((physiological ADJ parameter) (physiological ADJ state))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 09:02 AM
L24	6	(sensor sens\$4 GPS proximit\$4) WITH (phone mobile wireless terminal pda cellular (smart ADJ phone)) near12((physiological ADJ parameter) (physiological ADJ state)) SAME ((enabl\$5 disabl\$5) NEAR (mode function))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/01 09:05 AM
L25	140	(sensor sens\$4 GPS	(US-PGPUB; USPAT;	OR	ON	ON	2023/06/01

		proximit\$4) WITH (phone mobile wireless terminal pda cellular (smart ADJ phone)) near12((physiological ADJ parameter) (physiological ADJ state)) AND ((enabl\$5 disabl\$5) NEAR (mode function))	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				09:06 AM
L26	75	(sensor sens\$4 GPS proximit\$4) WITH (phone mobile wireless terminal pda cellular (smart ADJ phone)) near12((physiological ADJ parameter) (physiological ADJ state)) AND ((enabl\$5 disabl\$5) NEAR (mode function))	(US-PGPUB; USPAT)	OR	ON	ON	2023/06/01 09:06 AM
L27	12	L26 AND ((H04W4/80 OR H04W12/50 OR H04W12/77 OR H04W76/14 OR H04W8/005 OR H04W84/20 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W48/04 OR H04W52/02 OR H04W76/10 OR H04W88/06 OR H04W4/38 OR H04W4/70).cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2023/06/01 09:06 AM
L28	10	L26 AND ((G06Q20/3278 OR G06Q20/204 OR G06Q20/321 OR G06Q20/352 OR G06Q20/401 OR G06Q20/409 OR G06Q10/10 OR G06Q30/0601 OR G06Q20/3227 OR G06Q20/40145).cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2023/06/01 09:07 AM
L29	10	L26 AND ((H04L63/18 OR H04L67/12 OR H04L67/52).cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2023/06/01 09:07 AM
L30	10	L26 AND ((H04L63/18	(US-PGPUB; USPAT)	OR	ON	ON	2023/06/01

L31	16476	OR H04L67/12 OR H04L67/52).cpc.) (authorizat\$4 authoriz\$3) WITH (financial NEAR transaction)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	09:07 AM 2023/06/02 10:08 AM
L32	1485	(authorizat\$4 authoriz\$3) near8 (sanction warrant\$3 licens\$3 qualify\$3 allow\$3 permit\$4 entitle empower\$3 accredit\$3 legaliz\$3 validat\$3 commiss\$3 activat\$3 enabl\$4 disabli\$3) near9(financial NEAR transaction)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:13 AM
L33	495	(authorizat\$4 authoriz\$3) near8 (sanction warrant\$3 licens\$3 qualify\$3 allow\$3 permit\$4 entitle empower\$3 accredit\$3 legaliz\$3 validat\$3 commiss\$3 activat\$3 enabl\$4 disabli\$3) near9(financial NEAR transaction) SAME payment	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:14 AM
L34	220	(authorizat\$4 authoriz\$3) near8 (sanction warrant\$3 licens\$3 qualify\$3 allow\$3 permit\$4 entitle empower\$3 accredit\$3 legaliz\$3 validat\$3	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2023/06/02 10:15 AM

L35	253	commiss\$3 activat\$3 enabl\$4 disabli\$3) near9(financial NEAR transaction) SAME payment SAME (toll checkout check-out item product merchant)	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:16 AM
L36	27	(authorizat\$4 authoriz\$3) near8 (sanction warrant\$3 licens\$3 qualify\$3 allow\$3 permit\$4 entitle empower\$3 accredit\$3 legaliz\$3 validat\$3 commiss\$3 activat\$3 enabl\$4 disabli\$3) near9(financial NEAR transaction) SAME (purchas\$4 payment pay\$3) SAME (toll checkout check-out item product merchant)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:17 AM
L37	21	(authorizat\$4 authoriz\$3) near8 (sanction warrant\$3 licens\$3 qualify\$3 allow\$3 permit\$4 entitle empower\$3 accredit\$3 legaliz\$3 validat\$3 commiss\$3 activat\$3 enabl\$4 disabli\$3) near9(financial NEAR transaction) SAME (purchas\$4 payment pay\$3) SAME (toll checkout check-out item product merchant) SAME ((short ADJ range) short-range proximit\$3 bluetooth)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:17 AM
		L36 AND ((H04W88/06 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W4/02 OR H04W12/06 OR H04W12/068 OR H04W12/08 OR H04W4/24 OR H04W12/069 OR H04W12/77 OR H04W4/08 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	OR	ON	ON	2023/06/02 10:17 AM

L38	27	H04W4/14 OR H04W84/04 OR H04W84/10 OR H04W84/18).cpc.) L36 AND ((G06Q30/0601 OR G06Q20/20 OR G06Q20/3278 OR G06Q20/027 OR G06Q20/385 OR G06Q20/322 OR G06Q20/327 OR G06Q20/40 OR G06Q20/02 OR G06Q20/045 OR G06Q20/102 OR G06Q20/204 OR G06Q20/227 OR G06Q20/32 OR G06Q20/3223 OR G06Q20/3224 OR G06Q20/3227 OR G06Q20/3255 OR G06Q20/3274 OR G06Q20/34 OR G06Q20/341 OR G06Q20/3415 OR G06Q20/347 OR G06Q20/352 OR G06Q20/353 OR G06Q20/354 OR G06Q20/3821 OR G06Q20/38215 OR G06Q20/401 OR G06Q20/4012 OR G06Q20/4037 OR G06Q20/425 OR G06Q2220/00 OR G06Q30/02 OR G06Q40/02).cpc.)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:19 AM
L39	18	L36 AND ((H04L67/52 OR H04L63/08 OR H04L2463/102 OR H04L63/0846 OR H04L63/105 OR H04L63/18).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 10:19 AM
L40	3	L36 AND ((G07F7/08	(US-PGPUB; USPAT; IBM_TDB)	OR	ON	ON	2023/06/02

		OR G07F7/084 OR G07F7/086 OR G07F7/1008 OR G07F7/1016 OR H04B5/0031 OR H04B5/0062).cpc.)	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				10:20 AM
L41	16	L36 AND ((H04W88/06 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W4/02 OR H04W12/06 OR H04W12/068 OR H04W12/08 OR H04W4/24 OR H04W12/069 OR H04W12/77 OR H04W4/08 OR H04W4/14 OR H04W84/04 OR H04W84/10 OR H04W84/18).cpc.)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 03:33 PM
L42	15	L10 AND ((G06Q30/0601 OR H04L67/52 OR H04W4/02 OR H04W4/023 OR H04W4/029 OR H04W4/80 OR H04W48/04 OR H04W76/10 OR H04W88/06).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/06/02 03:34 PM
L43	58	L17 AND ((H04W4/029 OR H04W4/02 OR H04W4/80 OR H04W48/04 OR H04W4/023 OR H04W88/06 OR H04W76/10 OR H04W4/40 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2023/06/02 03:34 PM

		H04W88/02 OR H04W52/0254 OR H04W64/00 OR H04W4/14 OR H04W24/08 OR H04W4/024 OR H04W52/028 OR H04W84/12 OR H04W84/18 OR H04W4/021 OR H04W12/08 OR H04W12/126 OR H04W4/12 OR H04W12/02 OR H04W12/06 OR H04W12/10 OR H04W12/104 OR H04W12/12 OR H04W12/122 OR H04W12/128 OR H04W12/33 OR H04W12/63 OR H04W4/026 OR H04W4/06 OR H04W4/33 OR H04W4/50 OR H04W4/70 OR H04W8/18 OR H04W88/005).cpc.)	MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L44	14	("6834341" "6892201" "6970027" "7082320" "20020022483" "20040081180" "20040100973" "20040199604" "20040249915" "20040260760" "20050036465" "20050055570" "20050156794" "20050226175").pn. AND (PGPB USPT USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/07/03 01:25 PM
L45	13230317	(sens\$3 scan\$4 search\$3) SAME (parameter value)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO;	OR	ON	ON	2023/07/03 01:26 PM

L46	4086488	(sens\$3 scan\$4 search\$3) SAME (determin\$3 detect\$3) near9 (parameter value) SAME (threshold value)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 01:28 PM
L47	14314	(sens\$3 scan\$4 search\$3) SAME (determin\$3 detect\$3) near9 (parameter value) SAME (threshold value) SAME ((enabl\$4 disabl\$4) near9 (function mode))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 01:30 PM
L48	8408	(sens\$3 scan\$4 search\$3) SAME (determin\$3 detect\$3) near9 (parameter value) SAME (threshold value) SAME ((enabl\$4 disabl\$4) near9 (function mode)) SAME (mobile device cellular iphone ipad pda UE)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 01:34 PM
L49	0	(sens\$3 scan\$4 search\$3) SAME (determin\$3 detect\$3) near9 (vaule near9 parameter near3 sens\$3) SAME (threshold value) SAME	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2023/07/03 02:48 PM

L50	38	((enabl\$4 disabl\$4) near9 (function mode)) SAME (mobile device cellular iphone ipad pda UE)	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 02:48 PM
L51	3	(sens\$3 scan\$4 search\$3) SAME (determin\$3 detect\$3) near9 (value near9 parameter near3 sens\$3) SAME (threshold value) SAME ((enabl\$4 disabl\$4) near9 (function mode)) SAME (mobile device cellular iphone ipad pda UE)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 02:48 PM
L52	3	L50 AND ((H04W16/10 OR H04W72/0453 OR H04W74/0808 OR H04W84/12 OR H04W12/08).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 02:49 PM

L53	2	L50 AND (H04M1/6016 OR H04M1/605 OR H04M2250/12 OR G06Q2220/10).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 02:50 PM
L54	1	L50 AND (H04L2209/88 OR H04L63/0435 OR H04L63/0442 OR H04L63/105 OR H04L9/0841 OR H04L9/14 OR H04L9/30 OR H04L9/3226).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 02:54 PM
L55	18	("4686988" "4708142" "4712555" "4729376" "4788980" "4940052" "4944298" "4969467" "5184615" "5466254" "5472453" "5476483" "5573550" "5683427" "5685315" "6192275" "6445949" "6738666").pn. AND (PGPB USPT USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/07/03 02:55 PM
L56	150	(sens\$3 scan\$4 search\$3) SAME (determin\$3 detect\$3) SAME (value near9 parameter near3 sens\$3) SAME (threshold value) SAME ((enabl\$4 disabl\$4) near9 (function mode)) SAME (mobile device cellular iphone ipad pda UE)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2023/07/03 02:57 PM

L57	13	L56 AND ((H04W16/14 OR H04W24/02 OR H04W4/021 OR H04W72/02 OR H04W84/12 OR H04W16/10 OR H04W4/30 OR H04W4/33 OR H04W4/38 OR H04W4/80 OR H04W72/0453 OR H04W74/0808 OR H04W12/06 OR H04W12/08 OR H04W12/61 OR H04W12/63 OR H04W12/77 OR H04W4/025 OR H04W4/027 OR H04W4/029 OR H04W4/42 OR H04W4/48 OR H04W52/0277 OR H04W76/14).cpc.)	(WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 02:57 PM
L58	7	L56 AND ((H04L67/12 OR H04L2209/88 OR H04L63/08 OR H04L67/025 OR H04L12/2827 OR H04L63/0435 OR H04L63/0442 OR H04L63/101 OR H04L63/105 OR H04L63/107 OR H04L63/12 OR H04L65/1036 OR H04L67/125 OR H04L67/53 OR H04L9/0841 OR H04L9/14 OR H04L9/30 OR H04L9/3226).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 02:59 PM
L59	8	L56 AND ((G06F3/0418 OR G06F3/0443 OR G06F3/0446 OR G06F15/16 OR G06F18/00 OR G06F21/32 OR G06F21/34 OR G06F2218/12 OR G06F2221/2111 OR G06F3/02 OR G06F3/0304 OR G06F3/0317 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2023/07/03 02:59 PM

L60	3	G06F3/03543 OR G06F3/0383 OR G06F9/5005 OR G06F9/5011 OR G06F9/5016 OR G06F9/542).cpc.) L56 AND ((G06Q2220/10 OR G06Q40/12 OR G06Q50/26 OR G06Q50/30).cpc.)	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 03:00 PM
L61	2	L56 AND ((H04M1/6016 OR H04M1/605 OR H04M1/72454 OR H04M1/72463 OR H04M2250/12).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 03:07 PM
L62	8	L56 AND ((G06F3/0418 OR G06F3/0443 OR G06F3/0446 OR G06F15/16 OR G06F18/00 OR G06F21/32 OR G06F21/34 OR G06F2218/12 OR G06F2221/2111 OR G06F3/02 OR G06F3/0304 OR G06F3/0317 OR G06F3/03543 OR G06F3/0383 OR G06F9/5005 OR G06F9/5011 OR G06F9/5016 OR G06F9/542).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 03:08 PM

L63	4	L56 AND (G06Q2220/10 OR G06Q40/12 OR G06Q50/26 OR G06Q50/30 OR H01M10/44 OR H01M10/443 OR H01M10/448 OR H01M10/48 OR H01M10/486).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 03:13 PM
L64	6	("20030172028" "20090058637").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 03:15 PM
L65	4	"20090058637".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/03 03:17 PM
L66	6	("20030172028" "20090058637").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO,	OR	ON	ON	2023/07/03 04:08 PM

L67	0	(sens\$3 sensor) AND (parameter value) AND (velocit\$3) AND (accelerat\$3) AND (time\$3day) AND (humidit\$4) AND (temperatur\$3) AND (height) AND (bright\$4) AND (dark\$4) AND (blood ADJ (content pressur\$3)) AND (heart ADJ rate) AND ((physiological psychological) ADJ (mode state)) AND (mobile cellular iphone ipad smartphone wearable)	MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:52 AM
L68	27	(sens\$3 scan\$4 search\$3) SAME (determin\$3 detect\$3) SAME (value near9 parameter near3 sens\$3) SAME (threshold value) SAME ((enabl\$4 disabl\$4) near9 (function mode)) SAME (mobile device cellular iphone ipad pda UE)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:53 AM
L69	5	L68 AND ((H04W16/14 OR H04W24/02 OR H04W4/021 OR H04W4/30 OR H04W4/33 OR H04W72/02 OR H04W12/08).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:53 AM
L70	2	L68 AND ((G06F3/0418 OR G06F3/0443 OR G06F3/0446).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:54 AM
L71	1	L68 AND ((G06Q2220/10 OR H04L2209/88 OR H04L63/0435 OR H04L63/0442 OR H04L63/105 OR H04L9/0841 OR H04L9/14 OR H04L9/30	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:54 AM

L72	4853	OR H04L9/3226).cpc.) (sens\$3 scan\$4 search\$3) SAME (determin\$3 detect\$3) SAME (value parameter) SAME ((enabl\$4 disabl\$4) near9 (function mode)) SAME (mobile device cellular iphone ipad pda UE smartphone smart- phone)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:56 AM
L73	150	(sens\$3 scan\$4 search\$3) SAME (determin\$3 detect\$3) SAME (value parameter threshold) SAME ((enabl\$4 disabl\$4) near9 (function mode)) SAME (mobile device cellular iphone ipad pda UE smartphone smart- phone) SAME (blood)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:57 AM
L74	3	L73 AND ((H04W4/023 OR H04W4/21 OR H04W4/80 OR H04W76/10).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:57 AM
L75	4	L73 AND ((H04B1/04 OR H04B1/385 OR H04B2001/0491 OR H04B2001/3855 OR H04B2001/3861 OR H04B7/06 OR H04B7/0617 OR H04B7/08 OR H04B7/086).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:58 AM
L76	5	L73 AND ((H04L67/52 OR H04L51/046 OR H04L51/222 OR H04L51/234 OR H04L63/08 OR H04L63/105 OR H04L9/0861 OR H04L9/3278 OR H04L12/2812 OR H04L12/2838 OR H04L2012/2849 OR H04L65/1073 OR H04L65/1093 OR H04L65/1094 OR H04L65/611 OR H04L67/06 OR H04L67/10 OR H04L67/63).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:58 AM
L77	6	L73 AND ((G06F3/0482 OR	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/07/07 10:58 AM

		G06F1/16 OR G06F1/163 OR G06F1/1635 OR G06F1/26 OR G06F13/385 OR G06F13/4077 OR G06F13/4081 OR G06F13/4086 OR G06F18/213 OR G06F18/2178 OR G06F18/24133 OR G06F18/2415 OR G06F21/6245 OR G06F2203/04803 OR G06F3/0481 OR G06F3/04817 OR G06F3/04847 OR G06F3/0486 OR G06F3/0488 OR G06F3/04883 OR G06F3/14).cpc.)	JPO; DERWENT; IBM_TDB)				
L78	3	L73 AND ((G06Q50/265 OR G06Q10/1093 OR G06Q50/00).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 10:59 AM
L79	9	L73 AND ((G06F3/0482 OR G06F1/16 OR G06F1/163 OR G06F1/1635 OR G06F1/26 OR G06F13/385 OR G06F13/4077 OR G06F13/4081 OR G06F13/4086 OR G06F18/213 OR G06F18/2178 OR G06F18/24133 OR G06F18/2415 OR G06F21/6245 OR G06F2203/04803 OR G06F3/0481 OR G06F3/04817 OR G06F3/04847 OR G06F3/0486 OR G06F3/0488 OR G06F3/04883 OR G06F3/14 OR G06Q50/265 OR G06Q10/1093 OR G06Q50/00).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:00 AM
L80	7	("5589802" "7603486" "7886081" "20110055615" "20120026018" "20120105051" "20120194955").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/07/07 11:02 AM

L81	352	AND (PGPB USPT USOC).dbnm. (sens\$3 scan\$4 search\$3) SAME (determin\$3 detect\$3) SAME (value parameter threshold) SAME ((enabl\$4 disabl\$4) near9 (function mode)) SAME (mobile device cellular iphone ipad pda UE smartphone smart-phone) SAME (blood heart)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:03 AM
L82	92	L81 AND ((H04W4/80 OR H04W4/027 OR H04W4/08 OR H04W4/026 OR H04W76/14 OR H04W76/16 OR H04W4/38 OR H04W4/029 OR H04W12/33 OR H04W4/02 OR H04W52/0254 OR H04W52/027 OR H04W52/0274 OR H04W8/005 OR H04W4/023 OR H04W4/21 OR H04W4/90 OR H04W52/0261 OR H04W76/10).cpc.)	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/07/07 11:06 AM
L83	92	L81 AND ((H04W4/80 OR H04W4/027 OR H04W4/08 OR H04W4/026 OR H04W76/14 OR H04W76/16 OR H04W4/38 OR H04W4/029 OR H04W12/33 OR H04W4/02 OR H04W52/0254 OR H04W52/027 OR H04W52/0274 OR H04W8/005 OR H04W4/023 OR H04W4/21 OR H04W4/90 OR H04W52/0261 OR H04W76/10).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:07 AM
L84	91	L81 AND ((H04L67/12 OR H04L67/52 OR H04L63/0861 OR H04L51/046 OR H04L51/222 OR	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:08 AM

L85	26	H04L51/234 OR H04L63/08 OR H04L63/105 OR H04L9/0861 OR H04L9/3278 OR H04L12/2812 OR H04L12/2838 OR H04L2012/2849 OR H04L65/1073 OR H04L65/1093 OR H04L65/1094 OR H04L65/611 OR H04L67/04 OR H04L67/06 OR H04L67/10 OR H04L67/125 OR H04L67/535 OR H04L67/63 OR H04L69/28).cpc.) L81 AND ((H04B1/385 OR H04B5/0031 OR H04B5/0075 OR H04B5/0081 OR H04B5/02 OR H04B7/26 OR H04B1/04 OR H04B2001/0491 OR H04B2001/3855 OR H04B2001/3861 OR H04B7/06 OR H04B7/0617 OR H04B7/08 OR H04B7/086).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:08 AM
L86	29	L81 AND ((G06F3/04817 OR G06F1/163 OR G06F1/3206 OR G06F16/41 OR G06F16/435 OR G06F16/483 OR G06F3/04883 OR G06F21/32 OR G06F1/1684 OR G06F1/1694 OR G06F2203/011 OR G06F3/011 OR G06F3/0482 OR G06F1/16 OR G06F1/1609 OR G06F1/1626 OR G06F1/1635 OR G06F1/1643 OR G06F1/1671 OR G06F1/26 OR G06F13/385 OR G06F13/4077 OR G06F13/4081 OR	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:08 AM

L87	13	G06F13/4086 OR G06F16/487 OR G06F16/9535 OR G06F18/213 OR G06F18/2178 OR G06F18/24133 OR G06F18/2415 OR G06F21/6245 OR G06F2203/04106 OR G06F2203/04803 OR G06F3/03545 OR G06F3/0393 OR G06F3/041 OR G06F3/0412 OR G06F3/048 OR G06F3/0481 OR G06F3/04847 OR G06F3/0486 OR G06F3/0488 OR G06F3/14 OR G06F8/64 OR G06F8/65).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:09 AM
L88	10	L81 AND ((G06Q20/18 OR G06Q20/206 OR G06Q20/321 OR G06Q20/40145 OR G06Q30/0201 OR G06Q30/0246 OR G06Q30/0255 OR G06Q50/265 OR G06Q10/1093 OR G06Q30/0203 OR G06Q50/00).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:09 AM
L89	13	L81 AND ((H04M1/72412 OR H04M2250/02 OR H04M1/0262 OR H04M1/21 OR H04M1/72451 OR H04M1/72454 OR H04M2250/12 OR H04M2250/22 OR H04M1/72403 OR H04M1/73).cpc.)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:09 AM
L90	77065	((physiological ADJ parameter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2023/07/07 11:16 AM

L91	63944	((physiological ADJ state)) SAME (blood)	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:17 AM
L92	31832	((physiological ADJ parameter) (physiological ADJ state)) SAME (value threshold parameter) SAME (blood)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:17 AM
L93	19379	((physiological ADJ parameter) (physiological ADJ state)) SAME (sens\$3 scan\$4 search\$3) SAME (value threshold parameter) SAME (blood ADJ (pressur\$3 content))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2023/07/07 11:18 AM

L94	6937	((physiological ADJ parameter) (physiological ADJ state)) SAME (sens\$3 scan\$4 search\$3) SAME ((determin\$3 detect\$3) near9 (value threshold parameter)) SAME (blood ADJ (pressur\$3 content))	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:18 AM
L95	4404	((physiological ADJ parameter) (physiological ADJ state)) SAME (sens\$3 scan\$4 search\$3) SAME ((determin\$3 detect\$3) near9 (value threshold parameter)) SAME (blood ADJ (pressur\$3 content)) SAME (mobile device cellular iphone ipad pda UE smartphone smart-phone)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:19 AM
L96	57	((physiological ADJ parameter) (physiological ADJ state)) SAME (sens\$3 scan\$4 search\$3) SAME ((determin\$3 detect\$3) near9 (value threshold parameter)) SAME ((disabl\$4 enabl\$4 allow\$3) near6 (function mode)) SAME (blood ADJ (pressur\$3 content)) SAME (mobile device cellular iphone ipad pda UE smartphone smart-phone)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:20 AM
L97	1	L96 AND ((H04W4/02 OR H04W4/023 OR H04W4/029 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2023/07/07 11:20 AM

L98	6	H04W4/80 OR H04W74/02 OR H04W74/06 OR H04W76/10 OR H04W76/14 OR H04W76/18 OR H04W76/30 OR H04W76/38).cpc.)	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:21 AM
L99	5	L96 AND ((G06Q50/265 OR G06Q10/10 OR G06Q50/22 OR H04B5/0012 OR H04B5/0031 OR H04B5/0037 OR H04B5/0075).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/07/07 11:21 AM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.



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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Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

138517 7590 07/17/2023
Carlson, Caspers, Vandenburg & Lindquist, P.A.
225 S. Sixth St.
Ste. 4200
Minneapolis, MN 55402

EXAMINER

VU, MICHAEL T

ART UNIT

PAPER NUMBER

2641

DATE MAILED: 07/17/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/653,748	03/07/2022	Peter D. Karabinis	1348.002US7	5921

TITLE OF INVENTION: METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

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	10/17/2023

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 EFS-Web.

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

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

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence 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 07/17/2023

Carlson, Caspers, Vandenburg & 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 EFS-Web or by facsimile to (571) 273-2885, on the date below.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/653,748	03/07/2022	Peter D. Karabinis	1348.002US7	5921

TITLE OF INVENTION: METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

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	10/17/2023

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

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/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 Patent Center or EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

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

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/653,748	03/07/2022	Peter D. Karabinis	1348.002US7	5921
138517 7590 07/17/2023 Carlson, Caspers, Vandenburg & Lindquist, P.A. 225 S. Sixth St. Ste. 4200 Minneapolis, MN 55402			EXAMINER VU, MICHAEL T	
			ART UNIT 2641	PAPER NUMBER
DATE MAILED: 07/17/2023				

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

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

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

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

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

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

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

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 17/653,748	Applicant(s) Karabinis et al.	
	Examiner MICHAEL T VU	Art Unit 2641	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 06/22/2023.
☐ 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 See Continuation Sheet. 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 _____.
---	--

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	
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Continuation of 3. The allowed claim(s) is/are: 1-5,9-13,16-18,22-24 and 26-27

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Terminal Disclaimer

2. The terminal disclaimer filed on 07/05/2023 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of 11/04/2008 (see Date of Continuation on BIB) has been reviewed and is accepted. The terminal disclaimer has been approved on 07/05/2023.

Information Disclosure Statement

3. The information disclosure statement (IDS) submitted on 06/28/2023 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Response to Arguments

4. Applicant amended claims 1-4, 9-12, 16-17, 22-23, 26-27.
5. Applicant canceled claims 6-8, 14-15, 25.

Allowable Subject Matter

6. **Claims 1-5, 9-13, 16-18, 22-24, 26-27** are allowed.

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

With respect to claims 1, 9, 16, and 22, the closest prior art record, Kuo (US 2009/0058637) teaches a method of operating a device, the method comprising:
sensing by the device, using a device-based sensor, a parameter that is
associated with the device;

determining by the device a value that is associated with the parameter that is
sensed; and

However, Kuo alone or in combination fails teaches or fairly suggest;
responsive to the value that is determined by the device for the parameter that is
sensed satisfying a threshold criterion, enabling by the device a number of functions of
the device and disabling by the device a function of the device;

wherein the parameter that is sensed and is associated with the device, using the
device-based sensor, comprises a velocity, an acceleration, a time-of-day, a humidity, a
temperature, a height, a level of brightness, a level of darkness, a blood pressure, a
heart rate, a blood content, a physiological state and/or a psychological state;
and wherein the device comprises a smartphone.

Dependent claims 2-5, 10-13, 17-18, 23-24, and 26-27 are allowable for the same reason as set forth above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

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

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

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/MICHAEL T VU/
Primary Examiner, Art Unit 2641



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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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
17/653,748	03/07/2022	2641	1420	1348.002US7	27	4

CONFIRMATION NO. 5921

REPLACEMENT FILING RECEIPT



0000000059582071

138517

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

Date Mailed: 07/21/2023

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.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

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 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

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

If Required, Foreign Filing License Granted: 03/09/2022

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/653,748**

Projected Publication Date: 06/16/2022

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

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

Preliminary Class

455

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

page 2 of 4

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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

NOT GRANTED

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

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The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop

technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/653,748	03/07/2022	Peter D. Karabinis	1348.002US7	5921
138517	7590	07/28/2023		
Carlson, Caspers, Vandenburg & Lindquist, P.A. 225 S. Sixth St. Ste. 4200 Minneapolis, MN 55402			EXAMINER VU, MICHAEL T	
			ART UNIT 2641	PAPER NUMBER
			NOTIFICATION DATE 07/28/2023	DELIVERY MODE 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@apcoll.com

Supplemental Notice of Allowability	Application No. 17/653,748	Applicant(s) Karabinis et al.	
	Examiner MICHAEL T VU	Art Unit 2641	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 7/06/2023.
☐ 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 See Continuation Sheet. 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 _____.
---	---

/MICHAEL T VU/ Primary Examiner, Art Unit 2641	
---	--

Continuation of 3. The allowed claim(s) is/are: 1-5,9-13,16-18,22-24 and 26-27



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR/ PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
17/653,748	03/07/2022	Karabinis et al.	1348.002US7

Carlson, Caspers, Vandenburg & Lindquist, P.A. 225 S. Sixth St. Ste. 4200 Minneapolis, MN 55402		EXAMINER	
		MICHAEL T VU	
		ART UNIT	PAPER
		2641	20230724

DATE MAILED: _____

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

Commissioner for Patents

The correction of the Box 1 on the "communication is responsive to" date has been corrected to the date 7/06/2023 on the PTOL-37.

/MICHAEL T VU/
Primary Examiner, Art Unit 2641



ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/653,748

RECEIPT DATE / TIME
08/16/2023 08:25:59 AM ET

ATTORNEY DOCKET #
1348.002US7

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 # 5921

FILED BY Sage Kruse

PATENT CENTER # 62623310

AUTHORIZED BY Aaron Pederson

CUSTOMER # 138517

FILING DATE 03/07/2022

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Peter D. Karabinis

Payment Information

PAYMENT METHOD
DA / 502880

PAYMENT TRANSACTION ID
E20238F927568217

PAYMENT AUTHORIZED BY
Sage Kruse

PRE-AUTHORIZED ACCOUNT
502880

PRE-AUTHORIZED CATEGORY
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.

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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Page 1 of 2

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/653,748

RECEIPT DATE / TIME
08/16/2023 08:25:59 AM ET

ATTORNEY DOCKET #
1348.002US7

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 # 5921

FILED BY Sage Kruse

PATENT CENTER # 62623310

FILING DATE 03/07/2022

CUSTOMER # 138517

FIRST NAMED INVENTOR Peter D. Karabinis

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Aaron Pederson

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
IssueFeeTransmittal1348002US7.pdf	1	Issue Fee Payment (PTO-85B)	1603 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
IssueFeeTransmittal1348002US7.pdf	82216389B069889EB007542527C28CB455ED05DC4F4CD1C2D A86F9988D69719FA2752BEF7C286BC1EBE535FB3EE482101D 4EB8314631773D1CE108ABD99A0761

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.

PART B - FEE(S) TRANSMITTAL

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

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

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

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence 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 expediency.**

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

138517 7590 07/17/2023

Carlson, Caspers, Vandenburg & 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 EFS-Web or by facsimile to (571) 273-2885, on the date below.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/653,748	03/07/2022	Peter D. Karabinis	1348.002US7	5921

TITLE OF INVENTION: METHOD AND APPRATUS FOR SENSING PRODUCTS FOR PURCHASE

APPL. 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	10/17/2023

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

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/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, Vandenburg
& Linquist, 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 Patent Center or EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)
- ☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 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 August 16, 2023

Typed or printed name Aaron Pederson

Registration No. 45,458



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/653,748	09/26/2023	11770756	1348.002US7	5921

138517 7590 09/06/2023
Carlson, Caspers, Vandenburg & 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 19 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>).

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

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

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