

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

Title of Invention	Emergency Personal Protection System Integrated With Mobile Devices
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As the 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 _____.

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 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.

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LEGAL NAME OF INVENTOR

Inventor: Samantha DiPerna Date (Optional) : _____

Signature: /Samantha DiPerna/

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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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Samsung v. Fendgo
IPR2024-00113
Exhibit 1006

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

Title of Invention	Emergency Personal Protection System Integrated With Mobile Devices
As the 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 _____. 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 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. WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.	
LEGAL NAME OF INVENTOR Inventor: <u>Jacqueline DiPerna</u> Date (Optional) : _____ Signature: <u>/Jacqueline DiPerna/</u>	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.	

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Application No. : NYA (Continuation of U.S. Appln. No. 11/333,809)
Applicants : Samantha DiPerna et al.
Filed : HEREWITH
Docket No. : 02-CON1

Title : Emergency Personal Protection System Integrated with
Mobile Devices

Date : May 17, 2013

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

Preliminary Amendment

Sir:

Prior to calculation of the filing fee, and prior to examination on the merits,
please amend the above-identified application as follows.

Certificate of Transmission Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being
electronically filed via EFS-WEB with the U.S. Patent and
Trademark Office on

May 17, 2013

(Date of Deposit)

SAMANTHA DIPERNA

(Name of Person Certifying)

/Samantha DiPerna/
Signature

May 17, 2013
Date of Signature

IN THE SPECIFICATION

Please amend page 2, lines 3-6, as follows:

--CROSS REFERENCE TO RELATED APPLICATION

~~This~~ The present application is a continuation of application no. 11/333,809, filed January 17, 2006, which claims the benefit of priority based on U.S. provisional application No. 60/643,865, filed January 14, 2005. The present application also claims the benefit of priority based on U.S. provisional application No. 60/643,865. The [[,]] which contents of both application no. 11/333,809 and 60/643,865 which is are hereby incorporated by reference herein in its their entirety, as if fully set forth herein.--

Please amend page 15, lines 14-17, as follows:

--Figs. 1B-E illustrate the present invention according to another embodiment. In Figs. 1B-E, protective case [[20]] 12 surrounds the mobile device 10 and has a side pocket 24 which houses the vial of pepper spray or mace. Fig. 1B is a front view, while Figs. 1C and 1D are rear and side views, respectively. Camera lens 22 is disposed at the rear of the device.--

IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1. (Original) A case, comprising:

a main pocket for receiving a mobile device;

at least one side pocket for receiving a self-defense mechanism; and

a cover for covering the opening of the side pocket.

2. (Original) The case as set forth in Claim 1, wherein the self-defense mechanism is at least one of a vial containing pepper spray, a vial containing mace, a vial containing dye, a vial containing a foaming agent, a vial containing a stench ointment, a stun gun, and a personal alarm.

3. - 20. (Canceled)

21. (Currently Amended) [[A]] The case as set forth in Claim 1, wherein the cover closes the side pocket by way of one of velcro and a snap.

22. - 23. (Canceled)

24. (New) A case, comprising:

a main pocket for receiving a mobile device; and

at least one side pocket for receiving a self-defense mechanism.

25. (New) The case as set forth in Claim 24, wherein the self-defense mechanism is at least one of a vial containing pepper spray, a vial containing mace, a vial containing dye, a vial containing a foaming agent, a vial containing a stench ointment, a stun gun, and a personal alarm.

26. (New) The case as set forth in Claim 24, further comprising a cover for covering the opening of the side pocket.

27. (New) The case as set forth in claim 26, wherein the cover closes the side pocket by way of one of velcro and a snap.

28. (New) The case as set forth in claim 1, wherein the case is made of leather.

29. (New) The case as set forth in claim 24, wherein the case is made of leather.

CLAIM OF PRIORITY BENEFIT

The present application is a continuation of application no. 11/333,809, filed January 17, 2006, which claims the benefit of priority based on U.S. provisional application No. 60/643,865, filed January 14, 2005. The present application also claims the benefit of priority based on U.S. provisional application No. 60/643,865. The contents of both application no. 11/333,809 and 60/643,865 are hereby incorporated by reference herein in ~~its~~ their entirety, as if fully set forth herein.

INFORMATION DISCLOSURE STATEMENT

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the attached Form PTO-1449.

The listed documents are of record in the parent application, Application No. 11/333,809, and thus no copies are attached hereto. (They are also all U.S. Patent Documents.)

It is respectfully requested that the above information be considered by the Examiner and that a copy of the attached Form PTO-1449 be returned indicating that such information has been considered.

REMARKS

The present application is a continuation of copending parent Application No. 11/333,809, filed January 17, 2006.

The specification has been amended to refer to Application No. 11/333,809 in accordance with 37 C.F.R. § 1.78.

Claims 1, 2, 21, and 24-29 are pending in this application. Claims 3-20, 22, and 23 have been canceled without prejudice or disclaimer of subject matter. Claims 1 and 24 are independent.

Favorable consideration and early passage to issue of this application are requested.

Respectfully Submitted,

/Samantha DiPerna/
Samantha DiPerna
Applicant
Pro Se

Respectfully Submitted,

/Jacqueline DiPerna/
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	Not Yet Assigned
Filing Date	HEREWITH
First Named Inventor	Samantha DiPerna
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	02-CON1

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

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 citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

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 2 hours 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, 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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Docket No. 02-CON1

**EMERGENCY PERSONAL PROTECTION SYSTEM
INTEGRATED WITH MOBILE DEVICES**

-1-

BACKGROUND OF THE INVENTION

CROSS-REFERENCE TO RELATED APPLICATION

This application claims the benefit of priority based on U.S. provisional application No. 60/643,865, filed January 14, 2005, which is hereby incorporated by reference herein in its entirety, as if fully set forth herein.

Field of the Invention

This invention relates generally to the field of personal safety devices, and more particularly to a personal safety device which can be used in conjunction with, or is integrated with, a mobile device.

Description of the Related Art

Each year many people are assaulted or otherwise find themselves victims or potential victims of violent crime. Protecting ourselves and our loved ones from these types of crime has always been of paramount importance. Women can be particularly susceptible to crimes of physical assault and violence. According to the U.S. Census Bureau, 231,589,260 people were victims of a crime in 2002. Of these victims, 119,347,330 were women, many of these women having been subjected to awful violent crimes including rape, sexual assault, and robbery, some injured, and some threatened with a weapon. Stalking is another major concern; according to results obtained by a recent National Violence Against Women Survey, women are the primary victims of stalking.

The inventors of this patent application, being college women, understand these statistics and dangers on a very personal level. Because of the traditional campus setting, there is a low dependency for the use of cars as primary transportation; as such, college women walk almost everywhere. The highly active college lifestyle often requires students to walk to and from class, the library, the grocery store, and local hang-out areas.

Of course, the particular threat to women notwithstanding, violent crime is a serious threat to people of both sexes, and of all ages. Many people often find themselves in a potentially dangerous situation in which they are confronted by an attacker. Defending oneself in this situation is of extreme importance.

There are, of course, a number of self-defense devices and mechanisms currently available on the market, including pepper spray and mace. Pepper spray (oleoresin capsicum), typically provided in strengths of 5-10%, may cause a number of undesirable effects such as eye and skin irritation and burning, shortness of breath, etc., thus aiding in warding off a potential attacker for several minutes. Typically, some sprays can be used at a range of 8-20 feet from an attacker and can come in containers including anywhere from, e.g., half an ounce to 12 ounces of spray.

Mace contains CN Tear Gas and typically results in similar effects as pepper spray, including tearing and eye closure. Either substance may contain a dye (visible or ultraviolet) for identifying an attacker once sprayed onto him, or a foaming agent which causes the spray to rapidly expand upon contact into a sticky foam which can increase the irritation to the attacker.

Another self-defense device is a stun gun which causes an electric shock upon

contact with skin, typically resulting in confusion, disorientation, weakness, and loss of muscle control for several minutes. Stun guns typically vary in voltage levels from 65,000V - 125,000V.

There are also "nuisance" type products such as a stench ointment contained in a small breakable vial which, when broken, can douse the attacker with a foul smelling ointment. Another device is a personal alarm which emits a loud, high decibel (e.g. 100db) piercing sound upon being activated by switch or separation of strap.

There are a number of drawbacks associated with existing self-defense devices, however. One drawback, for example, is that even when a person owns one of these devices, he or she will often forget to carry the device while traveling. Another drawback is that victims are often attacked while alone, and are therefore often left to fend off an attacker by themselves without anyone else knowing that they are being attacked. There is a need for providing a self defense device which is capable of immediately notifying the authorities that an attack is under way, and of providing the authorities with specific information in order to be able to come to the aid of the person being attacked.

There is a need, therefore, for a self defense device that can overcome these and other problems associated with prior art devices and thereby increase personal safety in vulnerable situations.

SUMMARY OF THE INVENTION

Accordingly, it is an object of this invention to provide a self-defense device that a person may be less likely to forget to carry while traveling. It is also an object of this invention

to provide a self defense device which is capable of quickly notifying the authorities that an attack is under way, and of providing the authorities with specific information in order to be able to come to the aid of the person being attacked.

There is a large number of subscribers to mobile devices in the United States alone. These devices include, but are not limited to, cellular telephones, beepers, pagers, ipods, and Blackberry-type devices. Many of these subscribers routinely carry their mobile device on their person, often attaching it to an article of clothing such as a belt so that the device is easily accessible.

The present invention provides a self-defense device which is integrated with a mobile phone/device. In one embodiment, the present invention provides a self-defense mechanism that is attached to a mobile phone/device. The self-defense mechanism can be removably and easily attached to the mobile phone/device. This can be done by way of a clip, or by way of a protective case which holds the mobile device and which has a pocket for a self-defense mechanism such as pepper spray, the pocket in one embodiment holding the vial of pepper spray in position such that it is ready to be used with only minimal steps such as the removal of a protective cap or cover. The self-defense mechanism can also be permanently secured to a mobile phone/device. If the self-defense mechanism is attached to the mobile phone/device, a person who is carrying his or her mobile phone/device would also be carrying the self-defense mechanism. As used in this application, the term "self-defense mechanism" is included but not limited to pepper spray or mace, a dye for identifying an attacker, a foaming agent, a stun gun, a stench, a personal alarm, and a panic button.

In another embodiment, the present invention provides a self-defense device

including a self-defense mechanism which is integrated with a mobile phone/device such that when the self-defense mechanism is activated, a camera built into the mobile phone/device takes an image of the attacker, and the mobile phone/device sends image data and audio data to the authorities along with specific information such as, for example, the name and description of the owner of the self-defense device, location information, a time and date stamp, etc. In this way, the present invention utilizes a built-in camera to take still or moving images of the attacker and send the image and/or audio data to the authorities along with the specific information. The self-defense mechanism can be a vial containing pepper spray or mace, for example, or simply a separate panic button located on the device which activates the above-mentioned processes. Of course, the present invention is not limited to the examples discussed herein.

In this way, the present invention can provide a powerful solution for one confronted with a dangerous situation. Further, the present invention can be attachable to or integrated with something many people routinely carry with them – a mobile phone or device.

The present invention according to one embodiment provides a case, comprising a main pocket for receiving a mobile device, at least one side pocket for receiving a self-defense mechanism, and a cover for covering the opening of the side pocket.

The self-defense mechanism may be at least one of a vial containing pepper spray, a vial containing mace, a vial containing dye, a vial containing a foaming agent, a vial containing a stench ointment, a stun gun, and a personal alarm. The cover may close the side pocket by way of one of velcro and a snap.

The present invention according to another embodiment provides a self-defense device comprising a mobile device and a self-defense mechanism attached to the mobile device,

wherein the self-defense mechanism is at least one of a vial containing pepper spray, a vial containing mace, a vial containing dye, a vial containing a foaming agent, a vial containing a stench ointment, a stun gun, and a personal alarm.

The self-defense mechanism may be attached to the mobile device by way of a clip. The self-defense mechanism may be removably attached to the mobile device. The self-defense mechanism may be permanently secured to the mobile device.

The present invention according to another embodiment provides a mobile device, comprising a camera unit, adapted to obtain at least one of image data and audio data; a location unit, adapted to obtain location data; a transmitting unit, adapted to transmit at least one of the image data, the audio data, and the location data; and a panic button, adapted to activate the camera, the location unit, and the transmitting unit.

A voice activation unit may be provided which activates the panic button using a codeword. The panic button may be activated by at least one of: (1) a depressing or series of depressions of the panic button, (2) a depressing of the panic button for a predetermined time period, (3) a depressing of the panic button together with another button, and (4) a codeword. The location unit may obtain the location data through GPS. The location unit may obtain the location data through cell tower-based triangulation.

The present invention in another embodiment provides a mobile device, comprising a camera, adapted to obtain at least one of image data and audio data; a location unit, adapted to obtain location data; a transmitting unit, adapted to transmit at least one of the image data, the audio data, and the location data; a self-defense mechanism; and a panic button, adapted to activate the camera, the location unit, the transmitting unit, and the self-defense mechanism.

The location unit may obtain the location data through at least one of GPS and cell tower-based triangulation. The self-defense mechanism may be at least one of a vial containing pepper spray, a vial containing mace, a vial containing dye, a vial containing a foaming agent, a vial containing a stench ointment, a stun gun, and a personal alarm.

The present invention in another embodiment provides a mobile device, comprising a camera unit, adapted to obtain at least one of image data and audio data; a location unit, adapted to obtain location data; a transmitting unit, adapted to transmit at least one of the image data, the audio data, the location data, and specific information including owner identification information; a self-defense mechanism; and a panic button, adapted to activate the camera, the location unit, the transmitting unit, and the self-defense mechanism.

The specific information may include a time and date stamp. The specific information may include a pre-recorded personal warning message. The panic button may be silent. The self-defense mechanism may be at least one of a vial containing pepper spray, a vial containing mace, a vial containing dye, a vial containing a foaming agent, a vial containing a stench ointment, a stun gun, and an audible personal alarm. The panic button may activate an audible warning message.

BRIEF DESCRIPTION OF THE DRAWING

The invention will be more clearly understood by reference to the following detailed description of exemplary embodiments in conjunction with the accompanying drawings, in which:

Fig. 1A is an illustration of the present invention according to one embodiment;
Figs. 1B-E are illustrations of the present invention according to another
embodiment; and
Figs. 2A-C are illustrations of the present invention according to an embodiment.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

As mentioned above, the present invention provides a self-defense device which is integrated with or used with a mobile phone/device. In one embodiment, the present invention provides a self-defense mechanism that is attached to a mobile phone/device. This can be done, for example, by way of a clip, or by manufacturing the mobile device such that the self-defense mechanism is permanently attached thereto; of course, the present invention is not limited to these examples. In another embodiment, a protective case holds the phone (e.g. in a main pocket) and has a pocket (e.g. a side pocket) for a self-defense mechanism such as pepper spray, the pocket in one embodiment holding the vial of pepper spray in position such that it is ready to be used with only minimal steps such as the removal of a protective cap or cover. The self-defense mechanism can also be permanently secured to a mobile phone/device as explained. The self-defense mechanism can be, for example, a vial containing pepper spray or mace, a personal alarm, a stun gun, a stench ointment, or the like.

The self-defense mechanism can be attached to the phone or can be contained within a protective case made out of leather or any other suitable material. In one embodiment the protective case covers the mobile phone/device and has a side pocket containing the self-defense mechanism (for example, a vial of pepper spray) which can be kept closed by way of

velcro, a snap, a protective cap, or the like. The pepper spray (in this example) is in position and ready to be used as soon as the protective covering is removed. The vial of pepper spray can easily be replaced or refilled. In another embodiment the self-defense mechanism clips or is otherwise securely attached to the outside of a side pocket/loop of the protective case, making the self-defense mechanism easy to remove, if necessary. In this way, the present invention offers a smart design that can be flexible, attractive, convenient, small and portable, and effective. Further, if the self-defense mechanism is contained within a protective case, it can be hidden from an attacker until the moment it is used, thereby enhancing the victim's advantage of surprise.

In another embodiment, the present invention provides a self-defense device including a self-defense mechanism which is integrated with a mobile phone/device such that when the self-defense mechanism is activated, a camera built into the mobile phone/device takes still or moving images of the attacker, and the mobile phone/device sends the image data to the authorities along with specific information such as, for example, the name and description of the owner of the self-defense device, the location information, etc. audio information can be obtained by the camera and sent as well. In this way, the present invention utilizes a built-in camera to take image(s) of the attacker and send the specific information to the authorities along with the image information and audio information. The self-defense mechanism can be, for example, a vial containing pepper spray or mace, a personal alarm, a stun gun, a stench ointment, or the like. Further, the self-defense mechanism can be a separate panic button located on the device which activates the above-mentioned processes.

The present invention integrates with mobile phones/devices to send image data

of the attack, which could be either still image data or moving video, along with location information, and/or audio information, so that help can be dispatched right away. The system can be linked in with an emergency assistance number such as 911 or to a private emergency network specifically set up for these purposes to work with the public authorities in assisting victims. By virtue of the features of the present invention, authorities will be able to proceed directly to the location of the incident, equipped with specific information such as location information, image and/or audio data of the attack (which can of course aid in identifying the perpetrator), and information as to who owns the mobile phone/device including a description of that person. Audio data (either a pre-recorded help message or audio of the attack itself) can also be sent to the authorities.

The self-defense device can be activated by way of a panic button and/or can be voice activated, for example, upon the shout of a voice command by the victim. Because a situation in which one is confronted by an attacker is inherently unpredictable, it would be advantageous for potential victims to have the flexibility to proceed as they feel the situation dictates. Therefore, by virtue of the features of the present invention, the user may keep secret, from the attacker, the fact that the victim has alerted the authorities (e.g. through pressing a silent panic button), or may advertise that fact to the attacker (e.g. through pressing a panic button which is also an alarm). The victim may alert help without saying a word, if the victim deems that the best response to the situation.

The ease of use and convenience of the present invention is an important factor in the effectiveness of a self-defense device. In addition, the present invention can be a subtle way to carry protection. An attacker would likely not assume that a mobile phone can have a weapon

and be so easily and effectively linked to a safety network. The present invention can maximize the effectiveness of personal self-defense mechanisms by being integrated with a convenient accessory – a mobile phone or device. A mobile phone/device is now something that is often routinely found among a person's attire, whether worn on a person's belt buckle or carried in a pocket or in a purse, and can be convenient to locate.

The present invention in one embodiment communicates the emergency information (image information, location information, owner information, etc.) through a TCP/IP (Transmission Control Protocol/Internet Protocol) connection on the phone or mobile device, or through another such as WAP (Wireless Application Protocol). TCP/IP is a communications protocol that is used to connect hosts on the internet, and TCP/IP is the de facto standard for transmitting data over networks. The present invention may also use an MMS (Multimedia Message Service) system, which is a mix between internet protocol and e-mail protocol. More specifically, MMS is a store-and-forward method of transmitting graphics, video clips, sound files, and short text messages over wireless networks using WAP. MMS implementations also support e-mail addressing, so that the device can send e-mails directly to an e-mail address. The presentation of the MMS message is coded into the presentation file so that images, sounds, and text are displayed in a predetermined order as one singular message. The most common use of MMS is for communication between mobile phones/devices. MMS is one method enabling the present invention to obtain video/audio information and send the data to a specified location. Of course, the present invention is not limited to using protocols such as TCP/IP and MMS.

To expand upon this further, there are a number of ways to send image data and audio data using the present invention. As one example, image data can be sent through regular

e-mail to a dispatching center and then to a police station. As another example, image data can be sent through a picture-based e-mail type system (such as MMS). As another example, image data can be sent through a regular TCP/IP to a web service, which enables internet access on a cell phone. Of course, the present invention is not limited to these examples, and various modifications are envisioned.

Further, cellular telephones typically comply with e-911, which is emergency 911. Thus, when one dials 911, the dispatch operator can immediately obtain the location. For example, the panic button of the present invention can automatically contact 911 upon a press or series of presses of the button, or upon a codeword. There can also be a separate "safety" switch which, upon being moved into position, readies the panic button to contact 911 upon being pressed. The panic button can be activated upon dialing 911 itself or upon pressing the panic button along with an emergency touchpad "picture." The present invention can obtain location information in a number of different ways, for example through a tower-based location system. As is well known in the art, cell towers triangulate to figure out where a person is. As another example, the present invention can also obtain location information through a form of GPS (Global Positioning System) on the device (GPS or AGPS, which is assisted GPS). Location information for the present invention can be an x-y coordinate or close to it that the phone obtains and transmits to 911. Altitude information can be included as well.

In one example, pushing a "panic button" on the mobile phone/device of the present invention can result in a still image or moving video being taken, as well as an audio recording being obtained. The present invention then wraps the data up and transmits it to an emergency service with the x-y coordinates. This enables the emergency service to have image

and/or audio data as well as the relevant location information. Other features are included as well. For example, a panic button can trigger the image/audio data and location information being obtained. Further, the panic button can also trigger a separate self-defense mechanism such as pepper spray, mace, or a personal alarm. These can be triggered by a panic button or buttons or button sequence. These can also be triggered by, for example, a "code word" that the user shouts. Or they can be triggered more silently so that the attacker does not know that his picture has been taken and the image data and location information transmitted. Also, the mobile phone/device of the present invention can announce loudly through its speaker a warning messaged to the attacker (e.g. "911 has been notified and your picture has been taken!") or other messages, such as the location information. The user is provided with various options such as the above and is provided with the ability to configure his or her device according to what he or she feels is best.

In another embodiment the present invention contains a panic button and a separate button or nozzle to activate pepper spray or the like, and these two buttons are tied together so that one or more features of the present invention (e.g. picture/audio and location information transmitted, mace activated, warning sounds) occur at once.

In another embodiment the present invention allows the user to pre-record a personal warning message which is transmitted to the emergency personnel in the event of an attack during a specific time period. For example, if one is traveling to a meeting at 2pm, she could program the device to transmit a specific warning message if the panic button is activated between the hours of 2pm - 4pm. For example: "It is now Sunday, January 15th. I will be traveling to Sherborn, MA for a 2pm meeting with Mr. John Smith who lives on Gray Road."

According to another embodiment, the panic button can be a big (e.g. red) button in the center of the phone (or elsewhere on the phone) that the user holds down for a predetermined time period. This can safeguard against falsely triggering the device. Other safeguards can include a button sequence, the number of times a button is depressed, etc. The user can choose to dial or say 911 and thereby activate the device that way. Or the user can have their own special code word for activation. The button can send a signal to a controller inside the device to activate this process. The button can start the speech recognition process in one embodiment, to trigger the device.

Fig. 1A illustrates the present invention according to one embodiment. In Fig. 1A, the self-defense mechanism, in this example pepper spray or mace, is permanently attached to the mobile device 10. Specifically, mobile device 10 has a vial 14 containing pepper spray or mace attached thereto. Nozzle 16 releases the pepper spray or mace once protective cap 18 is removed. Panic button 20 is included in this embodiment.

Figs. 1B-E illustrate the present invention according to another embodiment. In Figs. 1B-E, protective case 20 surrounds the mobile device 10 and has a side pocket 24 which houses the vial of pepper spray or mace. Fig. 1B is a front view, while Figs. 1C and 1D are rear and side views, respectively. Camera lens 22 is disposed at the rear of the device.

Figs. 2A-C illustrate the present invention according to another embodiment. In this embodiment a vial 14 of pepper spray or mace is clipped to the body of the mobile device 10 via clip 26. The clip can of course take on many forms, for example a male mating portion located on the vial 14 and a female mating portion located on the mobile device 10. Figs. 2A, 2B, and 2C are front, rear, and side views, respectively.

It is of course to be understood that various modifications are envisioned. For example, the features of the present invention can be combined as desired. As an example, a mobile device having a panic button and its associated features may or may not also have a vial containing pepper spray (or another self-defense mechanism) attached thereto. As another example, a mobile device having a vial of pepper spray (or another self-defense mechanism) may or may not have a panic button feature. The present invention is of course not limited to the examples set forth herein.

The present invention is for use with all mobile devices including, but not limited to, cellular telephones, beepers, pagers, ipods, and Blackberry-type devices.

While the invention has been particularly shown and described with respect to preferred embodiments thereof, it will be understood by those skilled in the art that changes in form and details may be made therein without departing from the scope and spirit of the invention.

CLAIMS

Having described the invention, what is claimed as new and secured by Letters

Patent is:

1. A case, comprising:

a main pocket for receiving a mobile device;

at least one side pocket for receiving a self-defense mechanism; and

a cover for covering the opening of the side pocket.

2. The case as set forth in Claim 1, wherein the self-defense mechanism is at least one of a vial containing pepper spray, a vial containing mace, a vial containing dye, a vial containing a foaming agent, a vial containing a stench ointment, a stun gun, and a personal alarm.

3. A self-defense device, comprising:

a mobile device; and

a self-defense mechanism attached to the mobile device,

wherein the self-defense mechanism is at least one of a vial containing pepper spray, a vial containing mace, a vial containing dye, a vial containing a foaming agent, a vial containing a stench ointment, a stun gun, and a personal alarm.

4. The self-defense device as set forth in Claim 3, wherein the self-defense mechanism is attached to the mobile device by way of a clip.

5. The self-defense device as set forth in Claim 3, wherein the self-defense mechanism is removably attached to the mobile device.

6. The self-defense device as set forth in Claim 3, wherein the self-defense mechanism is permanently secured to the mobile device.

7. A mobile device, comprising:

a camera unit, adapted to obtain at least one of image data and audio data;

a location unit, adapted to obtain location data;

a transmitting unit, adapted to transmit at least one of the image data, the audio data, and the location data; and

a panic button, adapted to activate the camera, the location unit, and the transmitting unit.

8. The mobile device as set forth in Claim 7, further comprising a voice activation unit, adapted to activate the panic button using a codeword.

9. The mobile device as set forth in Claim 8, wherein the panic button is activated by at least one of:

a depressing or series of depressings of the panic button,

a depressing of the panic button for a predetermined time period,

a depressing of the panic button together with another button, and

a codeword.

10. The mobile device as set forth in Claim 7, wherein the location unit obtains the location data through GPS.

11. A mobile device, comprising:

a camera, adapted to obtain at least one of image data and audio data;

a location unit, adapted to obtain location data;

a transmitting unit, adapted to transmit at least one of the image data, the audio data, and the location data;

a self-defense mechanism; and

a panic button, adapted to activate the camera, the location unit, the transmitting unit, and the self-defense mechanism.

12. The mobile device as set forth in Claim 11, further comprising a voice activation unit, adapted to activate the panic button using a codeword.

13. The mobile device as set forth in Claim 12, wherein the panic button is activated by at least one of:

a depressing or series of depressings of the panic button;

a depressing of the panic button for a predetermined time period; and

a codeword.

14. The mobile device as set forth in Claim 11, wherein the location unit obtains the location data through at least one of GPS and cell tower-based triangulation.

15. The case as set forth in Claim 11, wherein the self-defense mechanism is at least one of a vial containing pepper spray, a vial containing mace, a vial containing dye, a vial containing a foaming agent, a vial containing a stench ointment, a stun gun, and a personal alarm.

16. A mobile device, comprising:

a camera unit, adapted to obtain at least one of image data and audio data;

a location unit, adapted to obtain location data;

a transmitting unit, adapted to transmit at least one of the image data, the audio data, the location data, and specific information including owner identification information;

a self-defense mechanism; and

a panic button, adapted to activate the camera, the location unit, the transmitting unit, and the self-defense mechanism.

17. A mobile device as set forth in Claim 16, wherein the specific information includes a time and date stamp.

18. A mobile device as set forth in Claim 16, wherein the specific information includes a pre-recorded personal warning message.

19. A mobile device as set forth in Claim 16, wherein the panic button is silent.

20. The case as set forth in Claim 16, wherein the self-defense mechanism is at least one of a vial containing pepper spray, a vial containing mace, a vial containing dye, a vial containing a foaming agent, a vial containing a stench ointment, a stun gun, and an audible personal alarm.

21. A case as set forth in Claim 1, wherein the cover closes the side pocket by way of one of velcro and a snap.

22. A mobile device as set forth in Claim 16, wherein the panic button activates an audible warning message.

23. The mobile device as set forth in Claim 7, wherein the location unit obtains the location data through cell tower-based triangulation.

ABSTRACT

A mobile device includes a camera unit, a location unit, a transmitting unit, a self-defense mechanism, and a panic button. The camera unit location unit obtains at least one of image data and audio data, and the location unit obtains location data. The transmitting unit transmits at least one of the image data, the audio data, the location data, and specific information including owner identification information. The panic button is adapted to activate the camera, the location unit, the transmitting unit, and the self-defense mechanism.

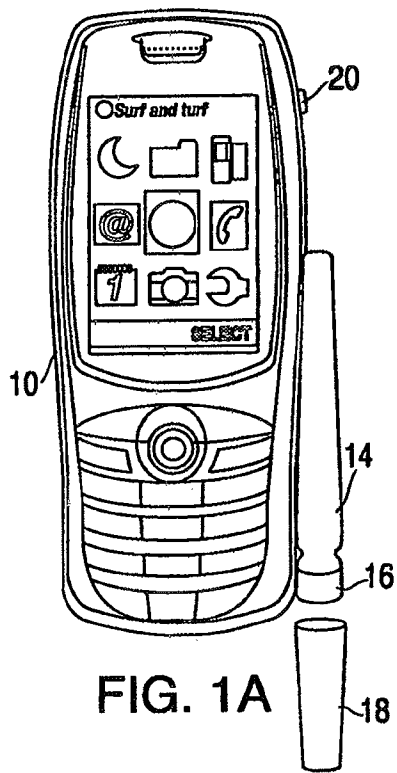


FIG. 1A

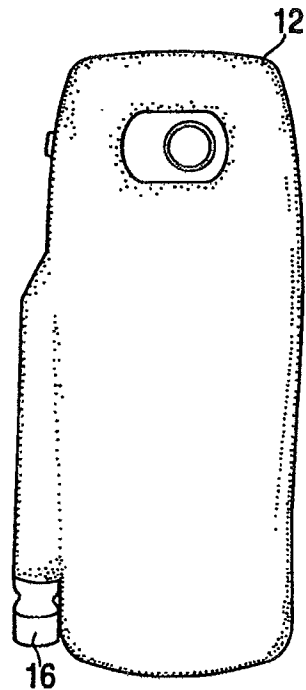


FIG. 1C

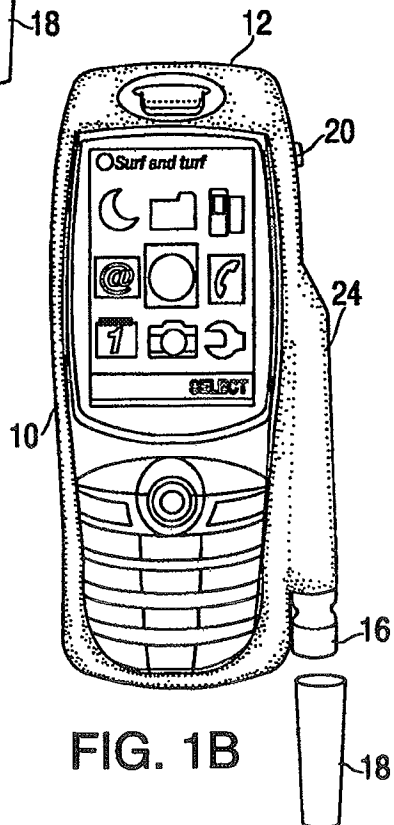


FIG. 1B

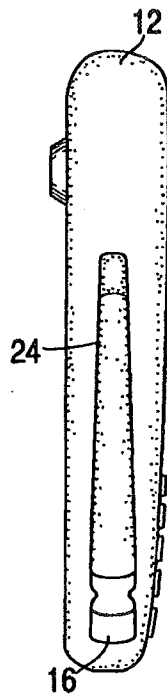


FIG. 1D

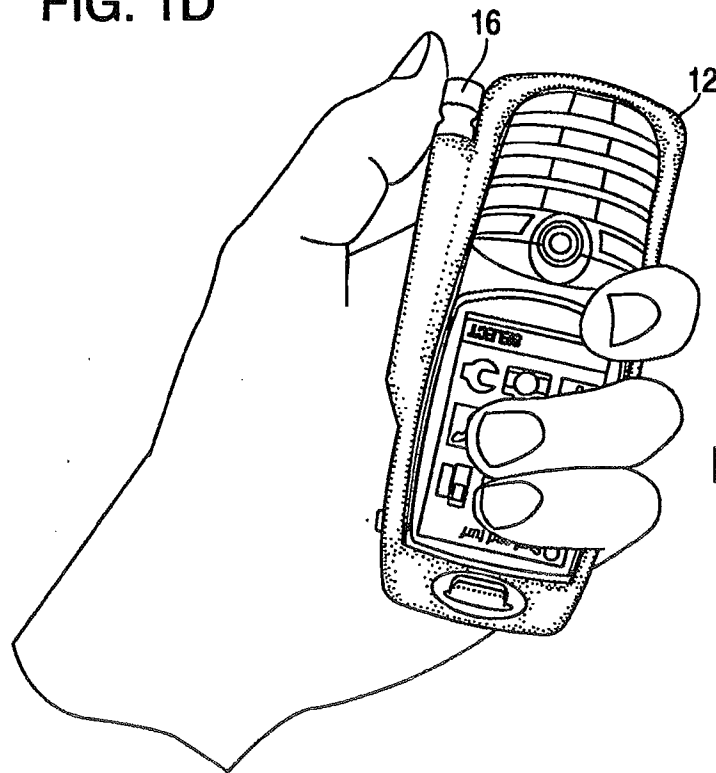


FIG. 1E

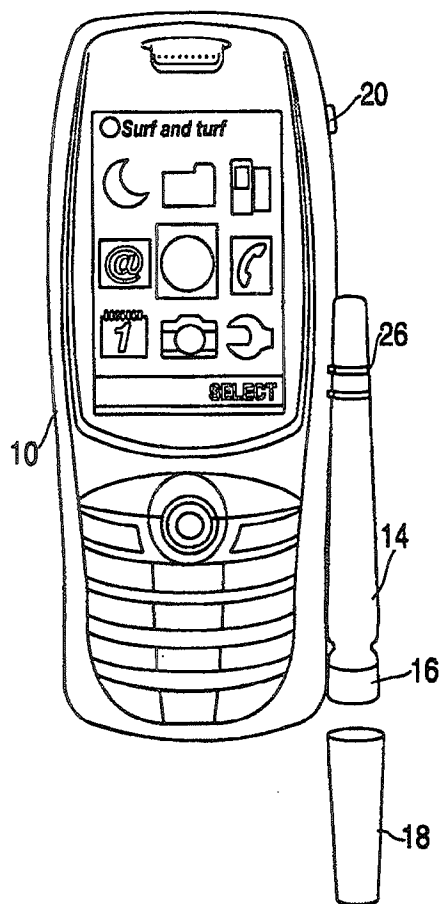


FIG. 2A

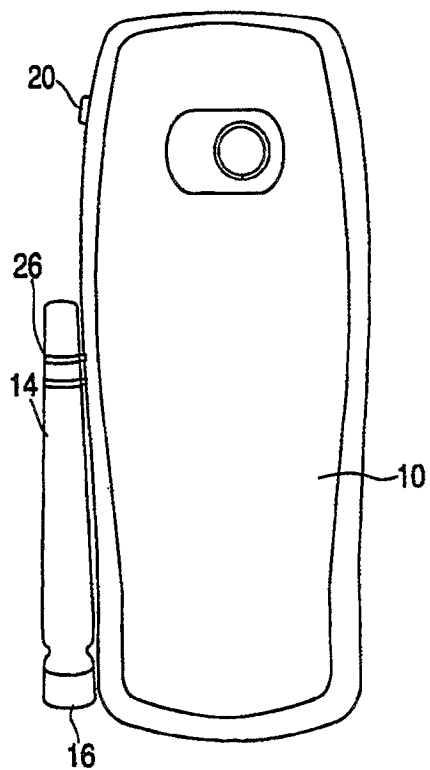


FIG. 2B

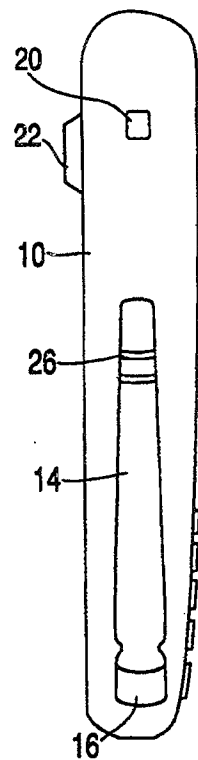


FIG. 2C

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	EMERGENCY PERSONAL PROTECTION SYSTEM INTEGRATED WITH MOBILE DEVICES			
First Named Inventor/Applicant Name:	Samantha DiPerna			
Filer:	Samantha DiPerna			
Attorney Docket Number:	02-CON1			
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	70	70
Utility Search Fee	2111	1	300	300
Utility Examination Fee	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

EX1006

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

Electronic Acknowledgement Receipt

EFS ID:	15811873
Application Number:	13897353
International Application Number:	
Confirmation Number:	2000
Title of Invention:	EMERGENCY PERSONAL PROTECTION SYSTEM INTEGRATED WITH MOBILE DEVICES
First Named Inventor/Applicant Name:	Samantha DiPerna
Correspondence Address:	Samantha DiPerna - 10501 Wilshire Blvd. #2207 Los Angeles CA 90024 US 480-213-0179 samantha.diperna@gmail.com
Filer:	Samantha DiPerna
Filer Authorized By:	
Attorney Docket Number:	02-CON1
Receipt Date:	17-MAY-2013
Filing Date:	
Time Stamp:	23:33:20
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$730

EX1006

RAM confirmation Number		6856			
Deposit Account					
Authorized User					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Samap02Con1may1702013.pdf	1675628 88548372c0dda9d0b92f46b486a3d5c5197d90e6	yes	39
	Multipart Description/PDF files in .zip description				
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	Transmittal of New Application		1	2	
	Application Data Sheet		3	4	
	Oath or Declaration filed		5	6	
	Preliminary Amendment		7	13	
	Information Disclosure Statement (IDS) Form (SB08)		14	14	
	Specification		15	30	
	Claims		31	35	
	Abstract		36	36	
	Drawings-only black and white line drawings		37	39	
	Warnings:				
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32837 01a1e28b91704577c4a3222c1500641e5a34b44d	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			1708465		

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No. 02-CON1	
		First Named Inventor Samantha DiPerna	
		Title Emergency Personal Protection System...	
		Express Mail Label No.	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
--	---

1. ☐ Fee Transmittal Form (PTO/SB/17 or equivalent) 2. ☒ Applicant asserts small entity status. See 37 CFR 1.27 3. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent. 4. ☒ Specification [Total Pages <u>22</u>] Both the claims and abstract must start on a new page. (See MPEP § 608.01(a) for information on the preferred arrangement) 5. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets <u>3</u>] 6. ☒ Inventor's Oath or Declaration [Total Pages <u>2</u>] (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e)) a. ☒ Newly executed (original or copy) b. ☐ A copy from a prior application (37 CFR 1.63(d)) 7. ☒ Application Data Sheet * See note below. See 37 CFR 1.76 (PTO/AIA/14 or equivalent) 8. CD-ROM or CD-R in duplicate, large table, or Computer Program (Appendix) ☐ Landscape Table on CD 9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. – c. are required) a. ☐ Computer Readable Form (CRF) b. ☐ Specification Sequence Listing on: i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ Paper c. ☐ Statements verifying identity of above copies	ACCOMPANYING APPLICATION PAPERS 10. ☐ Assignment Papers (cover sheet & document(s)) Name of Assignee _____ 11. ☐ 37 CFR 3.73(c) Statement ☐ Power of Attorney (when there is an assignee) 12. ☐ English Translation Document (if applicable) 13. ☒ Information Disclosure Statement (PTO/SB/08 or PTO-1449) ☐ Copies of citations attached 14. ☒ Preliminary Amendment 15. ☐ Return Receipt Postcard (MPEP § 503) (Should be specifically itemized) 16. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed) 17. ☐ Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent. 18. ☐ Other: _____ _____ _____ _____
---	---

***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 **must** be included in an Application Data Sheet (ADS).
 (2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

19. CORRESPONDENCE ADDRESS					
☐ The address associated with Customer Number: _____ OR ☒ Correspondence address below					
Name	Samantha DiPerna				
Address	10501 Wilshire Blvd. #2207				
City	Los Angeles	State	CA	Zip Code	90024
Country	USA	Telephone	480-213-0179	Email	samantha.diperna@gmail.com
Signature				Date	May 17, 2013
Name (Print/Type)	Samantha DiPerna			Registration No. (Attorney/Agent)	Pro Se (1 of 2)

This collection of information is required by 37 CFR 1.53(b). 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 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

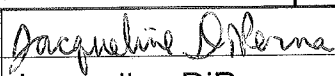
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No. 02-CON1
		First Named Inventor Samantha DiPerna
		Title Emergency Personal Protection System...
		Express Mail Label No.

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
1. ☐ Fee Transmittal Form (PTO/SB/17 or equivalent) 2. ☒ Applicant asserts small entity status. See 37 CFR 1.27 3. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent. 4. ☒ Specification [Total Pages <u>22</u>] Both the claims and abstract must start on a new page. (See MPEP § 608.01(a) for information on the preferred arrangement) 5. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets <u>3</u>] 6. ☒ Inventor's Oath or Declaration [Total Pages <u>2</u>] (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e)) a. ☒ Newly executed (original or copy) b. ☐ A copy from a prior application (37 CFR 1.63(d)) 7. ☒ Application Data Sheet * See note below. See 37 CFR 1.76 (PTO/AIA/14 or equivalent) 8. ☐ CD-ROM or CD-R in duplicate, large table, or Computer Program (Appendix) ☐ Landscape Table on CD 9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. – c. are required) a. ☐ Computer Readable Form (CRF) b. ☐ Specification Sequence Listing on: i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ Paper c. ☐ Statements verifying identity of above copies	ACCOMPANYING APPLICATION PAPERS 10. ☐ Assignment Papers (cover sheet & document(s)) Name of Assignee _____ 11. ☐ 37 CFR 3.73(c) Statement ☐ Power of Attorney (when there is an assignee) 12. ☐ English Translation Document (if applicable) 13. ☒ Information Disclosure Statement (PTO/SB/08 or PTO-1449) ☐ Copies of citations attached 14. ☒ Preliminary Amendment 15. ☐ Return Receipt Postcard (MPEP § 503) (Should be specifically itemized) 16. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed) 17. ☐ Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent. 18. ☐ Other: _____ _____ _____ _____

***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 **must** be included in an Application Data Sheet (ADS).
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19. CORRESPONDENCE ADDRESS					
☐ The address associated with Customer Number: _____					OR ☒ Correspondence address below
Name	Samantha DiPerna				
Address	10501 Wilshire Blvd. #2207				
City	Los Angeles	State	CA	Zip Code	90024
Country	USA	Telephone	480-213-0179	Email	samantha.diperna@gmail.com
Signature				Date	May 17, 2013
Name (Print/Type)	Jacqueline DiPerna			Registration No. (Attorney/Agent)	Pro Se (2 of 2)

This collection of information is required by 37 CFR 1.53(b). 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 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Application Data Sheet

Application Information

Application Type: Nonprovisional
Subject Matter: Utility
Title: Emergency Personal Protection System Integrated With Mobile
Devices
Docket Number: 02-CON1
Total Drawing Sheets: 3
Small Entity? Yes

Applicant Information

Citizenship Country: USA
Given Name: Samantha
Family Name: DiPerna
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City of Residence: Los Angeles
State of Residence: California
Zip Code: 90024
Country of Residence: USA

Citizenship Country: USA
Given Name: Jacqueline
Family Name: DiPerna
Street of Residence: c/o 10501 Wilshire Blvd. #2207
City of Residence: Los Angeles
State of Residence: California
Zip Code: 90024
Country of Residence: USA

Representative Information

Pro Se

Correspondence Information

Individual Name: Samantha DiPerna
Address: 10501 Wilshire Blvd. #2207
City: Los Angeles
State: CA
Zip Code: 90024
Phone Number: 480-213-0179
E-mail: samantha.diperna@gmail.com

Domestic Benefit/Priority Information:

The present application is a continuation under 35 U.S.C. 120 of application no. 11/333,809, filed January 17, 2006, which claims the benefit of priority under 35 U.S.C. 119(e) based on U.S. provisional application No. 60/643,865, filed January 14, 2005. The present application also claims the benefit of priority under 35 U.S.C. 119(e) based on U.S. provisional application No. 60/643,865, filed January 14, 2005.

Signatures:

/Samantha DiPerna/

Samantha DiPerna

Applicant

Pro Se

/Jacqueline DiPerna/

Jacqueline DiPerna

Applicant

Pro Se

Page 2 of 2