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(56) Documents Cited:
GB 2393306 A
US 6147611 A
US 20020008620 A1
WO 2003/077219 A1
US 5644296 A
US 20010052848 A1

(58) Field of Search:
UK CL (Edition X) **G4F**
INT CL **G08B**
Other: **Online: EPODOC, WPI**

(54) Abstract Title: **Warning device emits a programmed voice message**

(57) A warning device, attached to or incorporated into a panic alarm, mobile telephone, walkie talkie or secure radio system 2, has an electronic control unit that may allow a user to record a voice message or may have a pre-programmed voice message. When a switch or button 3 is pressed by the user, the voice message is activated, preferably along with a series of bleeps, to alert passers-by to an attack and deter an attacker. The voice message may also be sent by the associated wireless device, e.g. mobile telephone 2, to a remote device along with video or still images and location information. The remote device may return a signal to cause the mobile telephone, etc. 2 to vibrate to confirm that help is on its way.

FIGURE 1

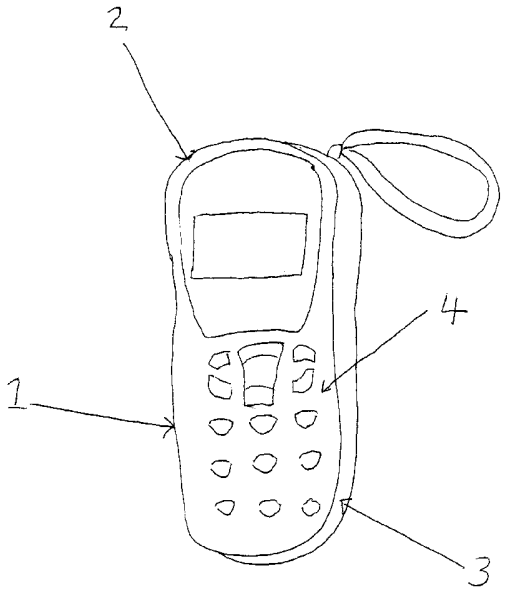

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FIGURE 1

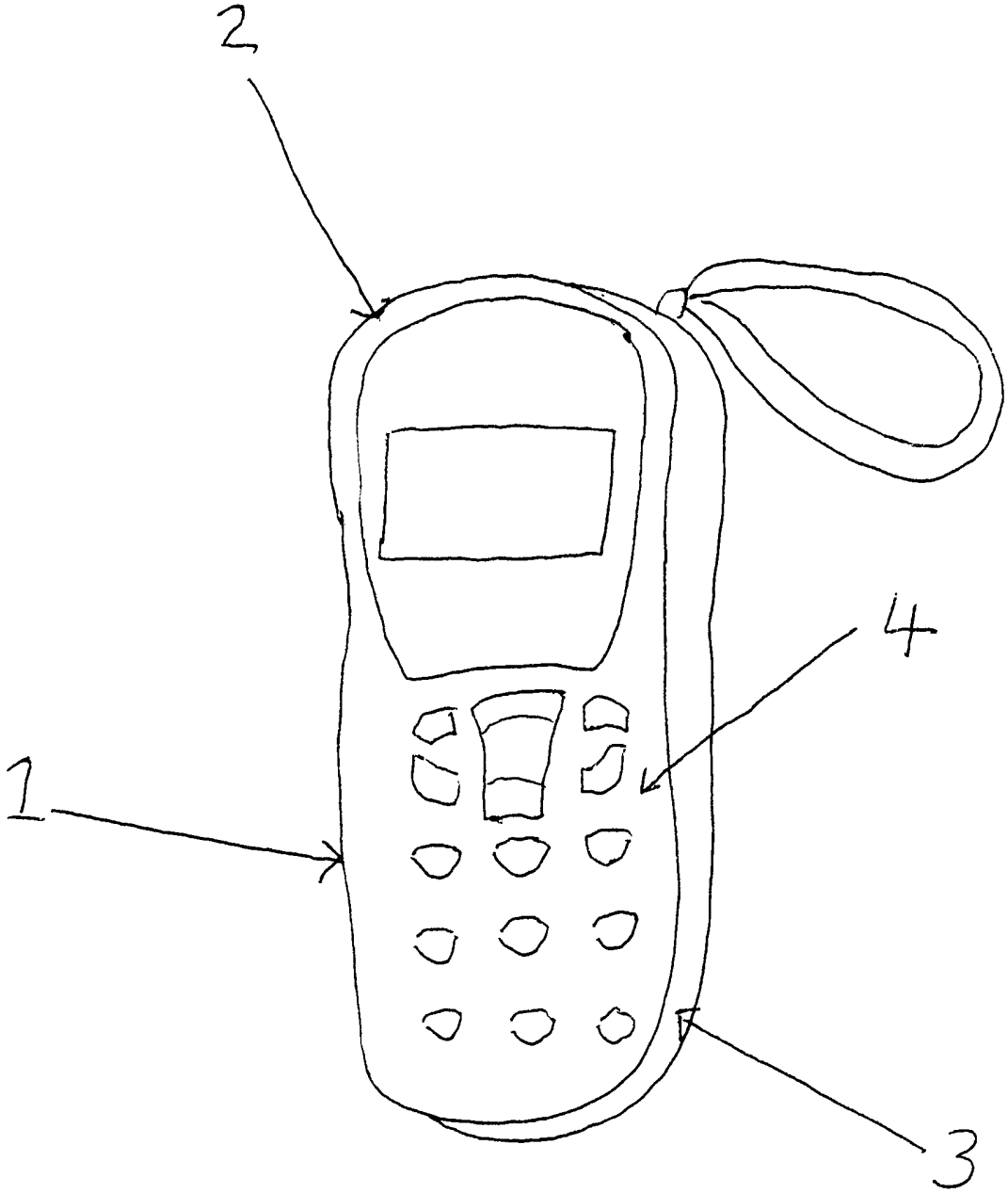
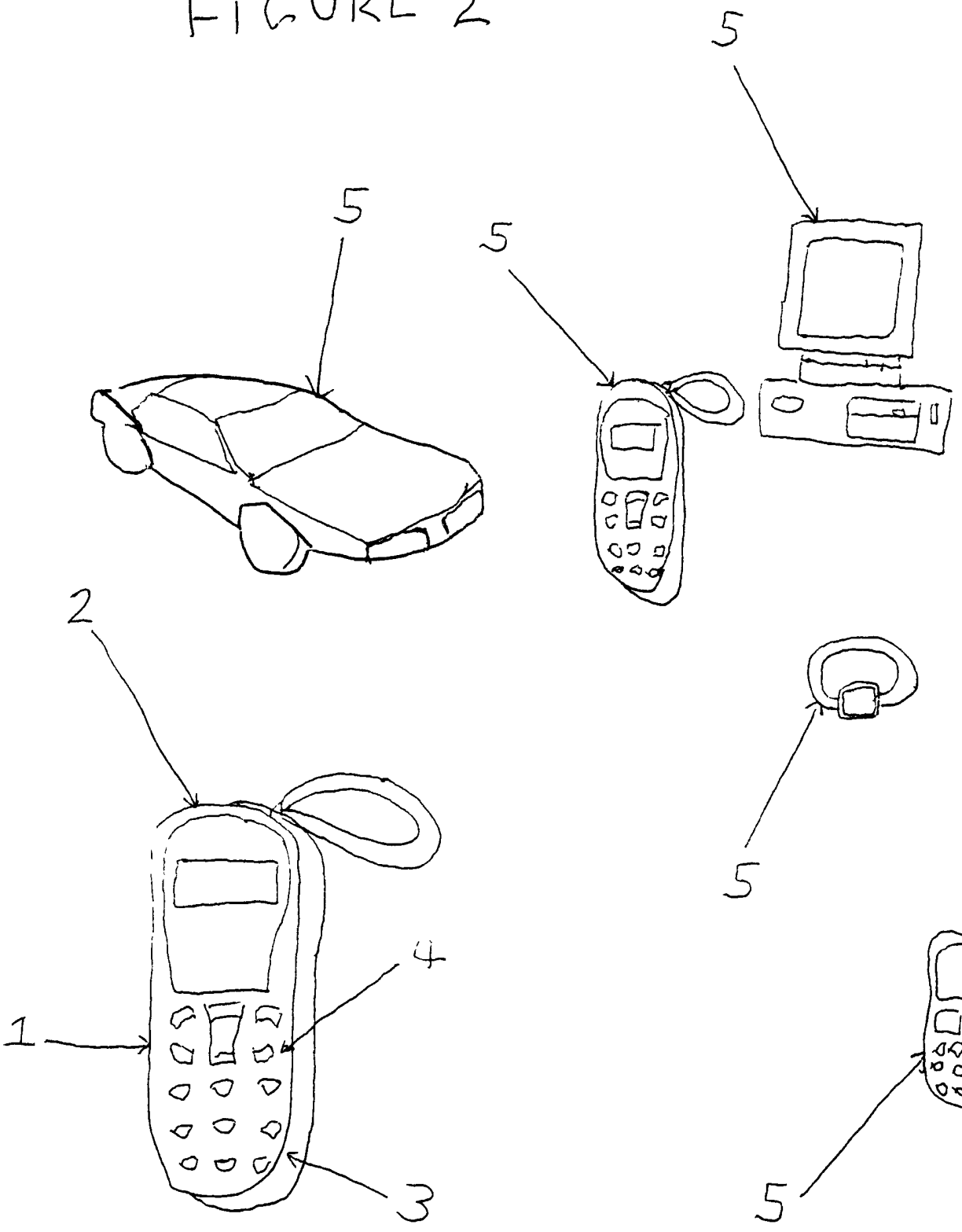


FIGURE 2



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Warning device for telecommunication devices

The invention relates to a warning device that is attached, incorporated, manufactured to a panic alarm, mobile telephone, walkie talkie, secure radio systems etc. The warning device will enable the user to activate a voice alarm message in order to help them defend themselves and alert others in the event of being attacked either physically or verbally.

Unfortunately some people e.g. children etc who purchase mobile telephones, etc can get mugged, attacked in order for others to steal their mobile telephone, etc. This causes distress, terror, injury to the user.

Unfortunately when a person who has been injured, attacked or assaulted verbally, intimidated, frightened etc. This can cause them great difficulty to use their mobile telephone, walkie talkie, secure radio system etc to call for assistance.

It is evident that the afore mentioned problems need to addressed in order to give peace of mind to the user of the mobile telephone, walkie talkie, secure radio systems etc.

There are available in the market place panic alarms that are attached, connected, incorporated to mobile telephones etc.

Unfortunately some users e.g. females would be reluctant to purchase such products has the product would clearly show to others that they are vulnerable or frail (a panic alarm clearly being displayed on the mobile telephone etc).

Also there is a device attached to mobile telephones etc that the user can alert others by sending a text message to a mobile telephone etc. Unfortunately the other user who has received the text message may not activate it so quickly or respond has they may think that the text message is not critical, a life and death situation. Also in the event of the person activating a panic button attached to their mobile telephone, it could cause the attacker to simply snatch the mobile to disarm it.

It is the aim if the warning device to address the afore mentioned problems by allowing the user to either record their own message or having a pre recorded message that they can activate by a discrete switch, button to emit the voice alarm message, bleeps to alert passers by that they are in distress. The loud sound will cause concern to the attacker. The mobile telephone will be designed so that the alarm is not easily switched off.

The warning device will enable the user to activate the voice alarm message, series of bleeps (both) and also send a voice alarm message, text message, live video footage, giving their location by digital, analogue radio frequency, g3 etc to other remote devices e.g. mobile telephones, walkie talkie, secure radio systems, computer, internet, tv, watch, vehicles etc.

In the event of the person being distressed they have the option to press a switch to trigger either the voice message or send a silent signal to remote devices. Thus the attacker will not know that the user has called for assistance. The remote devices who has received the distressed message will be able to send a signal e.g. vibration to the distressed persons mobile telephone, walkie talkie, secure radio system to confirm that help is on its way.

The warning device will enable the user to take a picture of the attacker and to transmit it to remote devices by wireless technology etc.

Brief description of the illustrations

A specific embodiment of the invention will now be described by way of example with reference to the accompanying diagrams comprising the following;

Figure 1 Front perspective view of the invention

Figure 2 The invention communicating to a selection of remote devices.

Referring to figure 1, the electronic control unit 1 of the panic alarm, mobile telephone, walkie talkie etc 2 will allow the user to record a message. The electronic control unit 1 will also be designed to allow a voice message to be programmed and previously be incorporated by associated electronics.

The switch, button etc 3 when pressed will cause the voice alarm message, bleeps and led to emit. This will be achieved by the electronic control unit 1. The deactivator 4 when pressed by a suitable instrument etc will cause the voice message alarm to stop emitting.

Referring to figure 2, the electronic control unit 1 will allow the following to function. Switch, button etc 3 to activate the voice alarm message, bleeps and to send a voice alarm message, bleeps, text, video image, location, location by gps to remote devices 5 e.g. mobile telephone, walkie talkie, computer, call centre, tv, watch, vehicle etc. This is achieved by the the electronic control unit communicating to associated remote devices by wireless technology (e.g. analogue / digital radio frequency), g3, etc.

When the switch, button etc 3 is activated it sends a series of bleeps etc to warn the user that they have either the ability by the switch, button etc 3 to activate the voice alarm or to send a silent signal to remote devices.

When the switch, button etc 3 is activated the electronic control unit 1 will take a picture of the attacker and then transmit it using relevant wireless technology to other remote devices 5.

The external devices who has received the distressed signal will be able to send a signal e.g. vibration to the distressed persons mobile telephone, walkie talkie, secure radio system etc to inform them that help is on its way.

Claims

A warning device that is attached, incorporated to a panic alarm, mobile telephone, walkie talkie, secure radio system etc that has an electronic control unit that allows the user to either record a voice message or has the voice message already programmed in the electronic control unit. The electronic control unit as to enable:

a) the switch, button etc when pressed by the user to activate the voice alarm message,

b) the switch, button etc when pressed by the user to activate the voice alarm message, bleeps,

c) the switch, button etc when pressed by the user to activate the voice alarm message, bleeps and led,

d) the switch, button etc when pressed to activate the voice alarm message and led and send a voice alarm message by associated wireless technology to remote devices e.g. mobile telephone, walkie talkies, secure radio systems, devices that has access to live video image footage, computer, tv, watch, internet, vehicle etc,

e) the switch, button etc when activated will cause a series of bleeps for the option to activate by the switch the voice alarm message or to send a silent signal e.g. voice alarm message giving its location via gps, wireless technology to remote devices,

f) the switch, button etc when pressed will enable the user to take a picture of the attacker and transmit it by wireless technology to remote devices,

g) the switch, button etc when pressed will transmit live video image, with its location by wireless technology to associated remote devices.

2. The remote devices as claimed in claim 1 wherein sends a signal e.g. vibration to the distress persons panic alarm, mobile telephone, walkie talkie, secure radio system etc.

3. An warning device has claimed in claim 1 wherein has a deactivator that when pressed will cause the voice alarm message to stop emitting.

4. The electronic control unit as claimed in claim 1 wherein is manufactured either has a series of electronic modules all linking, communicating together or has a complete unit.

5. The electronic control unit as claimed in claim 3 wherein is either fitted to a panic alarm, mobile telephone, walkie talkie, secure radio systems etc has an attachment or is incorporated, manufactured within a panic alarm, mobile telephone, walkie talkie, secure radio system etc.

6. The electronic control unit as claimed in claim 1 wherein communicates to external remote devices by associated wireless technology e.g. digital, analogue frequency, g3 etc.

7. The warning device as claimed in claim 1 wherein is powered by suitable power sources e.g. battery, battery - solar cell, live mains, fuel etc.

For Innovation

Application No:	GB0504048.0	**Examiner:**	Dan Hickery
Claims searched:	1 to 7	**Date of search:**	7 June 2006

Patents Act 1977: Search Report under Section 17

Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance
X	1, 3-7	US 2002/008620 A1 (WHALEN) whole document, especially par.0029
X	1, 3-7	US 2001/052848 A1 (LEWIS) whole document, especially par.0017-0020
X	1, 4-7	WO 03/077219 A1 (STANNERS) p.3 line 19-p.5 line 26, fig.1
X	1, 6, 7	GB 2393306 A (WOODYARD) p.1-2
X	1, 6, 7	US 6147611 A (OTERO) fig.2, col.3 lines 39-50, col.4 lines 9-24
X	1	US 5644296 A (MILLER) col.2 lines 52-57

Categories:

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.

Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC^{X} :

G4F

Worldwide search of patent documents classified in the following areas of the IPC

G08B

The following online and other databases have been used in the preparation of this search report

Online: EPODOC, WPI