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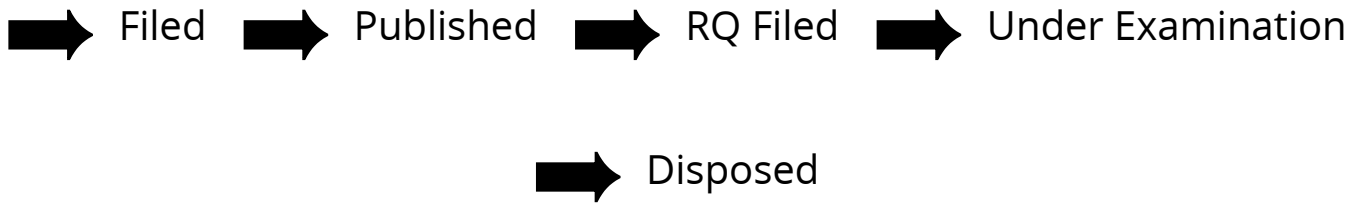
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TITLE OF INVENTION	WEARABLE CHILD MONITORING DEVICE WITH INBUILT HEART RATE MEASUREMENT TO PROTECT FALLING INTO ABANDONED DEEP BORE WELL
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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APPLICATION STATUS

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FORM 2
THE PATENT ACT 1970 &
The Patents Rules, 2003
COMPLETE SPECIFICATION
(See section 10 and rule 13)

1. TITLE OF THE INVENTION:

**WEARABLE CHILD MONITORING DEVICE WITH INBUILT HEART RATE
MEASUREMENT TO PROTECT FALLING INTO ABANDONED DEEP BORE
WELL**

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REAMBLE TO THE DESCRIPTION

<p>PROVISIONAL</p> <p>The following specification describes the</p>	<p>COMPLETE</p> <p>the following specification Invention. Particularly describes the invention and the manner in which it is to be performed.</p>
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FIELD OF THE INVENTION

This invention “**WEARABLE CHILD MONITORING DEVICE WITH INBUILT HEART RATE MEASUREMENT TO PROTECT FALLING INTO ABANDONED DEEP BORE WELL**” is relates to a smart device to monitor the child to prevent any superfluous event.

BACKGROUND OF THE INVENTION

The safety and whereabouts of a child relative to a parent or other supervising individual in various surroundings has become an increasing concern. Over the years, monitoring or locating systems have been developed to monitor the location or proximity of a child or other object of interest. Oftentimes, an inquisitive child will stay out of sight of the guardian or parent, particularly in crowded areas such as shopping malls, and unless the child is continuously watched or monitored, the guardian may not know where to begin to look for the child. When the child remains unwatched, of course the threat of the child becoming separated, lost for a time, or even being kidnapped, falling into abandoned deep well or otherwise lured away against the will of the guardian increases. Unfortunately, as a practical matter, little else can be accomplished if a guardian is required to continuously watch the child. Therefore, it is desirable, in these instances, to provide an alternate system to be able to locate the child quickly.

PRIOR ART STATEMENT

Personal alarm and monitor systems are gaining increased popularity as locators and means of monitoring children's activities. For example, in U.S. Pat. No. 5,461,365 to Schlager et al.; U.S. Pat. No. 5,357,254 to Kah Jr. and U.S. Pat. No. 4,785,291 to Hawthorne disclose monitoring systems which may be used to warn a guardian when a predetermined range between a transmitter and receiver has been exceeded. Hawthorne discloses a child surveillance distance monitor including a transmitter and a receiver. The child wears the transmitter and the guardian operates the receiver. The guardian's receiver includes a programmed electronic circuit that actuates any of several electrically coupled alarms depending upon the relative separation distance between the transmitter and receiver.

An even further example of a personal locator transmitter is shown in U.S. Pat. No. 5,014,040 which issued to Weaver et al. on May 7, 1991. The personal locator transmitter discussed in this patent is adapted to be worn on the wrist of a user, and it has the size and appearance of a conventional wrist watch. The watch includes both a manually operable alarm activated by pressing a button and an automatic alarm actuated by an attempt to remove the unit from the

wrist of the wearer. Another typical example of a personal locator is to be found in U.S. Pat. No. 3,806,936 which issued to Koster on Apr. 23, 1974. The device illustrated and discussed in this patent comprises a tone modulated transmitter designed to transmit emergency distress signals, and these signals can be received by a receiver so as to determine the direction from which the emergency signals are being transmitted. The locator is small enough to be carried in a pocket or connected to the belt of a user.

OBJECTIVE OF THE INVENTION

1. The objective of the invention is to develop a child monitoring device to monitor the child falling from the abandoned deep bore well or any other mishaps.
2. The further objective of the invention is to make a monitoring system in handy easy wearable or easy to attachable to any stuffs that child wear.
3. Another objective of the invention is to provide heart rate monitoring device with this to know about the child condition.
4. Another objective of the invention is to interlink the hardware (transmitter and receiver) inline to better monitoring.
5. Another objective of the invention is to provide an alarm system when the signal cuts from the transmitter.

SUMMARY OF THE INVENTION

The present invention provides a new child finder wherein the same can be utilized to continually monitor the location and movement of a child. As such, the general purpose of the present invention, which will be described subsequently in greater detail, is to provide a child finder and method which has many of the advantages of the child finders mentioned heretofore and many additional novel features that result in a child finder which is not anticipated, rendered obvious, suggested, or even implied by any of the prior art child finders, either alone or in any combination thereof. To attain this, the present invention generally comprises a child finder which basically consists of a transmitter that is consolingly attachable to a child's body and which sends a signal to a conventional receiver so that the child's location can be continually monitored. The transmitter will typically be carried in an article of jewelry, such as watch, bracelet, ring, or the like, and will use a special on/off switch which allows the transmitter to be activated only when the jewellery is being worn by the child. The switch includes a reciprocal push button which closes the transmitter's

electrical circuit when depressed, and the button is spring-biasedly moved away from electrical contact with the transmitter's circuit when the article of jewellery is not being worn. To protect against inadvertent partial movement of the button which could break electrical contact thus deactivating the transmitter an electrical contact surface of the button is provided with an upwardly extending electrically conductive spring finger which maintains continual electrical contact irrespective of temporary and inadvertent reciprocal movement of the push button. When the push button is totally depressed, the spring finger recedes into a provided groove on the electrical contact surface of the button so as to prevent the finger from causing interference between the primary electrical contact surfaces.

DESCRIPTION OF THE INVENTION

By referring Figure 1 and Figure 2, a new child finder embodying the principles and concepts of the present invention and generally designated by the reference numeral 10 will be described. More specifically, it will be noted that the child finder 10, in the embodiment shown in FIG. 1, is consolingly mounted within a conventional wrist watch 12 and employs an on/off activation switch 14 mounted on a bottom surface 16 of the watch. While the child finder transmitter 10 is concealed in a watch 12 in this embodiment, it is to be understood that virtually any form or type of jewellery could be utilized to similarly conceal a transmitter, to include bracelets, necklaces, rings, etc. As such, all types of jewellery and other body worn decorative or utilitarian devices are within the intent and purview of the present invention, and all such devices are intended to be encompassed by the language of the claims appended hereto. The activation switch 14 which is also shown in Figure. 1 and 2. In this respect, the watch 12 will include an outer casing 18 which is formed of a first electrically conductive material and an inner casing 20 which is also formed of an electrically conductive material and which is normally insulated from the outer case whereby no electrical communication exists there between. The switch 14 further includes a cylindrically shaped push button 22 which is formed from an electrically conductive material and which is normally in an outer protruding position due to the spring biasing force supplied by a non-electrically conductive compression spring 24 positioned between the inner casing 20 and a lip 26 forming a part of the push button 22. The push button 22 is also provided with a flat electrical contact surface 28 which is abutable with a second electrical contact surface 30 that is in electrical communication with the inner casing 20. When the electrical contact surfaces 28, 30 are not in electrical communication, an electrical circuit 32 is open whereby no electrical power is delivered from a battery 34 to a miniaturized emergency transmitter 36 concealed within the watch 12. When the push button 22 is depressed and as occasioned by a wearing of the watch

12 around the wrist of a child, the spring 24 is compressed whereby the electrical contact surfaces 28, 30 are brought into electrical communication, thereby closing the electrical circuit 32 and activating the miniature transmitter 36.

WE CLAIMS

1. A wearable child monitoring device comprising,
transmitter means for sending a monitoring signal to a receiver means for receiving said monitoring signal, said receiver means being typically position able at a location remote from said transmitter means, said transmitter means being consolingly retained within said device.
2. A child finder constructed as an article of jewellery to be worn on the child's body said child finder comprising:
transmitter means for sending a monitoring signal to a receiver means for receiving said monitoring signal, said receiver means being typically position able at a location remote from said transmitter means, said transmitter means being consolingly retained within said article of jewellery;
3. The invention of claim 1, wherein said strap includes an embedded optical fibber having first and second fibber ends, and said fasteners hold said first and second fibber ends to said buckle aligned in a common plane.
4. The invention of claim 1, wherein said strap is continuous from a first end to a second end, and said fasteners hold the strap to said buckle with said ends in close proximity to each other.

**WEARABLE CHILD MONITORING DEVICE WITH INBUILT HEART RATE
MEASUREMENT TO PROTECT FALLING INTO ABANDONED DEEP BORE
WELL**

ABSTRACT

The invention “**WEARABLE CHILD MONITORING DEVICE WITH INBUILT HEART RATE MEASUREMENT TO PROTECT FALLING INTO ABANDONED DEEP BORE WELL**” is based on the easy wearable child monitoring device added with heart rate measurable sensor. This invention designed such a way that can easily attachable to the child body typically on the jewellery. This device simply a transmitter which produces continuous signal and the same will send to receiver which is placed inside the home. The receiver also has alarm unit to produce sound when the child move away from the designed zone or distance. When the child unknowingly falls into abandoned deep bore well, the heart rate measurement sensor will send signal to the receiver.