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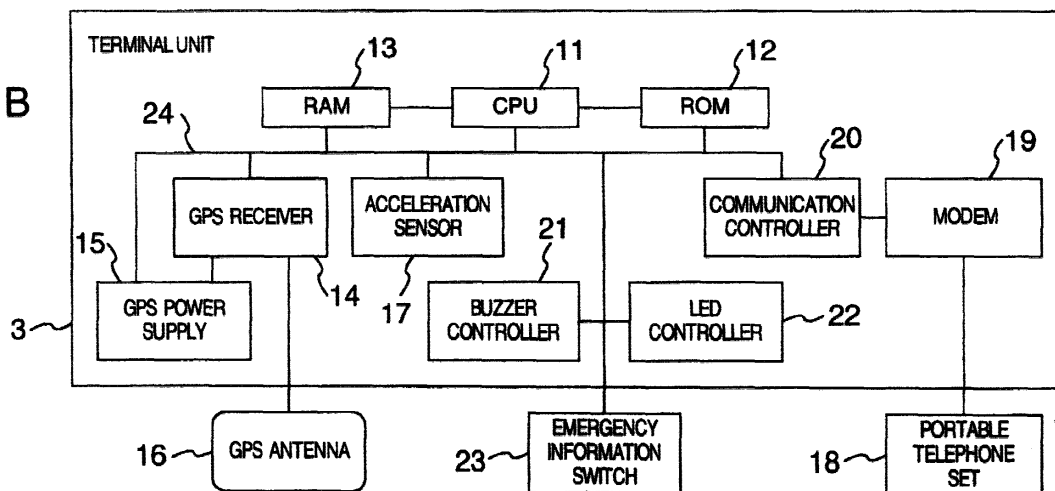
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(54) Mobile object monitoring system

(57) A terminal unit (3) drives a buzzer controller (21)/LED controller (22) to give an alarm to an external when the terminal unit (3) detects the fact that an emergency information switch (23) has been depressed for a predetermined time or more. The terminal unit (3) informs a center computer (4) of an emergent state when the alarm to the external has been continued for a pre-

determined time. Further, the terminal unit (3) always reads a value of an acceleration sensor (17). Hence, the terminal unit (3) drives the buzzer controller (21)/LED controller (22) when recognizing the fact that the terminal unit (3) has been turned upside down for a predetermined time or more, and the terminal unit (3) informs the center computer (4) after the lapse of a predetermined time.

FIG. 1B





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 30 5952

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 535 324 A (LEVENTAL MARK) 13 August 1985 (1985-08-13)	1,2	G08B25/01
Y	* column 2, line 41 - line 54 * * column 3, line 25 - line 36 * * claims 8,9 *	5,7-10	

X	FR 2 731 289 A (MANDEREAU ERIC) 6 September 1996 (1996-09-06)	3,4,6	
Y	* page 1, line 48 - line 56 * * page 2, line 40 - line 45 * * page 8, line 9 - line 12 * * figure 3 * * figure 5 *	5,7-10	

X	DE 44 41 907 A (HEWLETT PACKARD CO) 22 June 1995 (1995-06-22)	6,11	
	* column 10, line 7 - line 34 * * column 12, line 21 - line 38 * * column 7, line 18 - line 51 *		

The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G08B
Place of search		Date of completion of the search	Examiner
THE HAGUE		24 January 2002	De la Cruz Valera, D
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 30 5952

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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24-01-2002

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4535324	A	13-08-1985	NONE		
FR 2731289	A	06-09-1996	FR	2731289 A1	06-09-1996
DE 4441907	A	22-06-1995	DE	4441907 A1	22-06-1995
			GB	2285135 A	28-06-1995
			JP	7234982 A	05-09-1995