



(11) Publication number : **0 429 414 A3**

(12) **EUROPEAN PATENT APPLICATION**

(21) Application number : **90830536.0**

(51) Int. Cl.<sup>5</sup> : **G08B 13/24, G08B 13/14**

(22) Date of filing : **20.11.90**

(30) Priority : **21.11.89 IT 2246389**

(43) Date of publication of application :  
**29.05.91 Bulletin 91/22**

(84) Designated Contracting States :  
**AT BE CH DE DK ES FR GB GR LI LU NL SE**

(88) Date of deferred publication of search report :  
**08.04.92 Bulletin 92/15**

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(54) **Device for monitoring the displacement of a protected article, in particular a banknote bunch.**

(57) A device for monitoring the displacement of a bunch of banknotes protected in a bank comprises, concealed in said bunch, an electric battery (1), a coded controlled frequency electromagnetic wave receiver, an actuator element (2) arranged between the battery and the receiver and an alarm assembly (8) and further comprises, concealed along an outlet path ( $P_1 \rightarrow P_2$ ) to be covered by the bunch stolen by a robber to the exit of a bank, means for transmitting the electromagnetic waves, the actuator including a vibration switch (2) adapted to close a circuit on the battery (1) as it is vibrated by the displacement transmitted to the banknote bunch, the receiver being designed so as to actuate the alarm element exclusively if it receives from the transmitting means two different electromagnetic waves, offset from one another and suitably coded, each having a dedicated frequency  $f_1$ ,  $f_2$  and being received according to a given sequence.

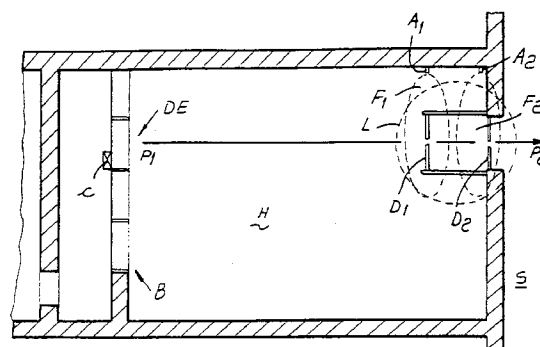


FIG. 1



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number

EP 90 83 0536

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.5)
Y	US-A-4 639 716 (PAYNE) * abstract * * column 1, line 43 - line 47 * ---	1-4, 6	G08B13/24 G08B13/14
Y	US-A-3 742 478 (JOHNSON) * abstract * ---	1-4, 6	
A	US-A-3 781 860 (FREYLING) * abstract * -----	1-4, 6	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G08B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 FEBRUARY 1992	Examiner SGURA S.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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  &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P0401)