

**EUROPEAN PATENT APPLICATION**

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**Monitoring apparatus.**

Where monitoring apparatus includes remote units intended to maintain surveillance of an area for an event such as unauthorised entry into the area, a remote unit fails to convey to a master unit any information if the remote unit ceases to function. A master transmitter (11) therefore transmits, over mains electricity supply lines, frequency-modulated bursts which stimulate the or each remote unit to reply with a characteristic frequency-modulated burst for each burst from the master transmitter (11). The master frequency-modulated burst resets a counter (38) in the

remote unit. If a remote unit fails, or detects an alarm situation, the remote unit does not reply, the counter (38) being frozen. A master receiver and indicator (12) demodulates the characteristic bursts from the remote unit or units and prevents an alarm (65) from sounding provided that the characteristic bursts are received at the expected intervals. Failure of a characteristic burst to arrive results in the alarm (65) being sounded and a red LED (64, 76, 77 or 78) being energised to indicate which of four remote units has failed to reply.

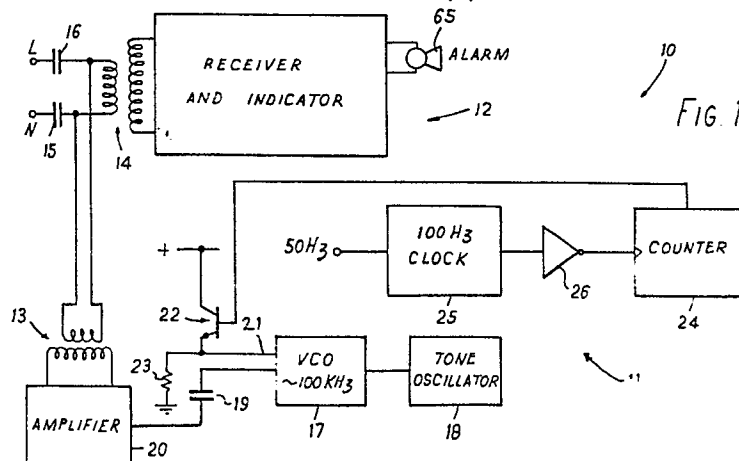
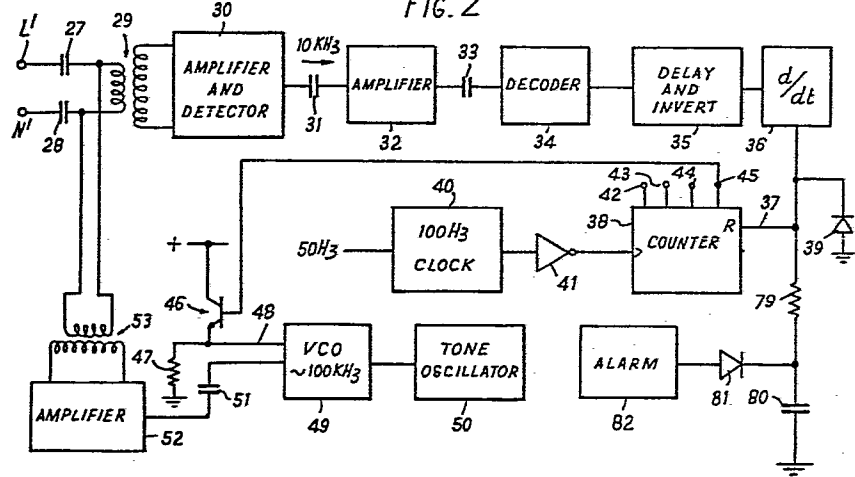


FIG. 2





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<p><u>US - A - 3 925 763</u> (WADHWANI et al. )</p> <p>* Column 9, line 3 to line 51; figures 19,20 *</p> <p style="text-align: center;">--</p> <p><u>DE - A - 2 749 169</u> (ELEKTRONIK-GERATE)</p> <p>* Claims; page 8, line 14 to page 11, line 14; figures 1,2 *</p> <p style="text-align: center;">--</p>	<p>1-3</p> <p>1-3,5,7</p>	<p>G 08 B 29/00</p>
	<p style="text-align: center;">--</p>		<p>TECHNICAL FIELDS SEARCHED (Int. Cl.)</p>
A	<p><u>US - A - 3 813 655</u> (ALLEN et al. )</p> <p>* Column 2, lines 3-62 *</p> <p style="text-align: center;">----</p>	1	<p>G 08 B 29/00 25/00</p>
			<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons</p>
			<p>&amp;: member of the same patent family. corresponding document</p>
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search	Examiner	
The Hague	16-11-1981	REEKMANS	