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(54) A position-disturbance sensor.

(57) A position-disturbance sensor for sensing any position-disturbance or "upset" of the sensor from a predetermined rest position. The sensor (1) includes a housing (2) with an easily movable metal ball (3) or the like, which, upon any upset of the sensor, makes contact with two of a plurality of contact pins (I-III) fixedly placed in the housing for connecting or disconnecting a supply voltage (U_1) to an electronic circuit (5). The circuit has a first capacitor (C2) capable of, at each connection of the supply voltage, receive a charge addition, the voltage across the capacitor (C2) reaching a predetermined level only upon a certain number of connections of the supply voltage, in order to indicate an upset of the sensor. The circuit has also a second capacitor (C1) being incorporated in a RC-circuit (R1, C1) which is so dimensioned that the second capacitor (C1) will not substantially be discharged during rapid contact changes of the ball (3), e.g. when the sensor is upset as a result of an explosion at the vicinity of the sensor.

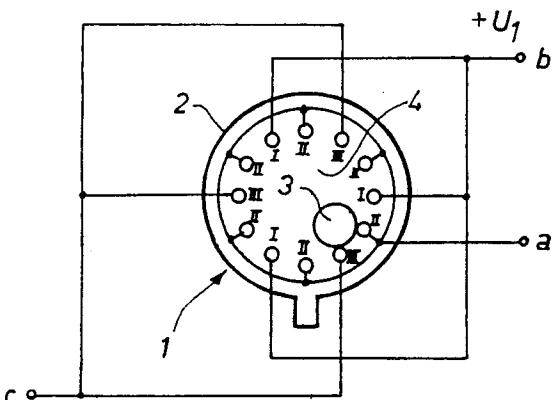


FIG. 1



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 92202699.2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	<p><u>DE - A - 3 902 629</u> (DYNAMIT NOBEL)</p> <p>* Abstract; column 1, line 3 - column 2, line 21; fig. 1; claims 1,8,9 *</p> <p>---</p>	1,2	H 01 H 35/02
A	<p><u>EP - A - 0 305 940</u> (HONEYWELL)</p> <p>* Abstract; column 1, lines 1-23; fig. 1; claim 1 *</p> <p>---</p>	1	
A	<p><u>EP - A - 0 343 328</u> (LECTRON PRODUCTS)</p> <p>* Abstract; column 1, line 4 - column 2, line 15; fig. 1,2; claim 1 *</p> <p>---</p>	1	
A	<p><u>DE - A - 3 320 303</u> (PRÜFTECHNIK DIETER BUSCH)</p> <p>* Abstract; page 4, line 10 - page 5, line 14; fig. 1; claim 1 *</p> <p>-----</p>	1	<p>TECHNICAL FIELDS SEARCHED (Int. Cl.5)</p> <p>H 01 H</p>
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
VIENNA	23-12-1994	BADICS	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
Y : particularly relevant if combined with another document of the same category		E : earlier patent document, but published on, or after the filing date	
A : technological background		D : document cited in the application	
O : non-written disclosure		L : document cited for other reasons	
P : intermediate document		& : member of the same patent family, corresponding document	