

Title (en)
A position-disturbance sensor

Title (de)
Positionsstörungssensor

Title (fr)
Palpeur de dislocation de position

Publication
EP 0537812 B1 19980107 (EN)

Application
EP 92202699 A 19920907

Priority
SE 9102662 A 19910916

Abstract (en)
[origin: EP0537812A2] 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 (U1) 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. <IMAGE>

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F42C 13/00

IPC 8 full level
F42C 19/06 (2006.01); **H01H 35/02** (2006.01)

CPC (source: EP)
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Cited by
GB2403067A; GB2295053A; US7937846B2; US2017350699A1; US10180320B2; DE102006062600A1; US8181354B2

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