

Title (en)

A MECHANICAL AND ELECTRONIC SENSOR ADAPTED TO DETECT CUTS AND LACERATIONS

Title (de)

MECHANISCHER UND ELEKTRONISCHER SENSOR ZUR DETEKTION VON SCHNITTEN UND EINRISSEN

Title (fr)

CAPTEUR MÉCANIQUE ET ÉLECTRONIQUE POUR LA DÉTECTION DES COUPURES ET LACÉRATIONS

Publication

**EP 3181476 B1 20181212 (EN)**

Application

**EP 16204312 A 20161215**

Priority

IT UB20159837 A 20151215

Abstract (en)

[origin: EP3181476A1] A mechanical and electronic sensor (1) for a safety closure adapted to detect cuts and lacerations, comprising at least two layers of electrically conductive material (4) separated by a internal layer of electrically-insulating material (11) and an electronic circuitry (3) connected to each layer of electrically conductive material (4) and configured for detecting a variation of fundamental and/or derived electric magnitudes, between the two states of electrically conductive material (4), over time so as to detect a cut or laceration of the layers. In particular, the layer of electrically-insulating material (11) is made of an elastically-deformable material having a form memory so that it returns from a crushed condition towards an original condition so as to reset the initial state of the electrical magnitudes detected by the electronic circuitry (3).

IPC 8 full level

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CPC (source: EP)

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