

Title (en)
MONITORING DEVICE FOR WINDOWS AND DOORS

Title (de)
ÜBERWACHUNGSEINRICHTUNG FÜR FENSTER UND TÜREN

Title (fr)
DISPOSITIF DE SURVEILLANCE POUR PORTES ET FENETRES

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Application
EP 06707306 A 20060227

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Abstract (en)
[origin: WO2006089795A2] The invention relates to a monitoring device (10, 110, 210) for safeguarding windows and doors whose pivotal handle (20, 220) is held on a handle fitting (21) and can be connected in a rotationally fixed manner to locking devices via a polygonal insertion pin (19), with: a housing (25, 125, 225), which at least partially houses the monitoring device (10, 110, 210) and which is passed through by the polygonal insertion pin (19); a first sensor device (40, 140) for detecting the pivotal position of the handle (20, 220); a second sensor device (45, 145) for detecting the lock position, and; an evaluating unit (55), which links and evaluates detection signals from the first and the second sensor device (40, 45; 140, 145) and optionally initiates an alarm signal. To this end, the first sensor device (40, 140) has two microswitches (36, 37; 136, 137), which are arranged at an angle to one another along the periphery of the polygonal insertion pin (19), are situated inside the housing (25, 125, 225), and which can be actuated by a switch cam (38, 138) connected to the handle (20, 220) in a rotationally fixed manner. In addition, the second sensor device (45, 145) is formed by at least one reed contact switch (46, 47), which is situated near the outer wall of the housing (25, 125, 225), and by a magnet (50), which interacts with the at least one reed contact switch (46, 47) and which is fastened to the lock-side limb (17) of the fixed frame (12) of the window or of the door.

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CPC (source: EP US)
E05B 45/06 (2013.01 - EP US); **G08B 13/06** (2013.01 - EP US)

Citation (search report)
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