

Title (en)

Electrical switch mat with device for static current monitoring

Title (de)

Elektrisches Kontaktmatte mit Vorrichtung zur Ruhestromüberwachung

Title (fr)

Paillasson à contact électrique avec appareil pour la surveillance du courant permanent

Publication

EP 1146528 A3 20040428 (DE)

Application

EP 01106720 A 20010316

Priority

DE 10018475 A 20000414

Abstract (en)

[origin: US2001037932A1] Electrical contact mat (2) with at least two plates (2a, 2b) arranged at a spacing from each other in the at-rest condition, which plates are fabricated in particular from rubber or polymers and made electrically conductive by the admixture of conductive substances such as carbon black, graphite, metal powder and the like, the spacing being established by one or more nonconductive spacers, and with a device for closed-circuit protection, which is operatively connected with the plates (2a, 2b), the spacers being designed as a substantially inelastic interlayer (2c), which has openings of such size that the inner surfaces of the plates (2a, 2b) make mutual contact when the contact mat (2) is under compressive load and thus form the switch of a tactile sensor (1) of the device for closed-circuit protection, the sensor (1) having an electrical connection (3) in parallel with the contact mat (2).

IPC 1-7

H01H 3/14

IPC 8 full level

H01H 3/14 (2006.01)

CPC (source: EP US)

H01H 3/141 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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