

Title (en)

DEVICE FOR PROTECTION AGAINST OVERLOAD OF THE SWITCHING CONTACTS OF A SWITCHING DEVICE

Title (de)

SCHUTZEINRICHTUNG GEGEN ÜBERLASTUNG DER SCHALTKONTAKTE EINES SCHALTGERÄTES

Title (fr)

DISPOSITIF DE PROTECTION CONTRE LES SURCHARGES DES CONTACTS DE COMMUTATION D'UN APPAREIL DE COMMUTATION

Publication

EP 0834184 B1 19990113 (DE)

Application

EP 96916009 A 19960605

Priority

- DE 9601048 W 19960605
- DE 19522603 A 19950619

Abstract (en)

[origin: DE19522603A1] A device for protection against overload of switching contacts (22, 23) of a switching device (6) is provided with an energy converter (5) situated in the vicinity of the switching contacts (22, 23) and exposed to electromagnetic radiation produced by an arc between the switching contacts. If the switching contacts (22, 23) are electrodynamically separated by overload, the energy converter disconnects the circuit with the aid of, for example, the triggering magnet (1) of a power switch (6).

IPC 1-7

H01H 77/10; **H01H 9/50**

IPC 8 full level

H01H 9/50 (2006.01); **H01H 77/06** (2006.01); **H01H 77/10** (2006.01)

CPC (source: EP US)

H01H 9/50 (2013.01 - EP US); **H01H 77/10** (2013.01 - EP US); **H01H 2071/2427** (2013.01 - EP US)

Cited by

DE102009010227A1; DE102009010229A1; WO2010010061A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 19522603 A1 19970109; DE 59601155 D1 19990225; EP 0834184 A1 19980408; EP 0834184 B1 19990113; JP 3771268 B2 20060426; JP H11507757 A 19990706; US 5933303 A 19990803; WO 9700531 A1 19970103

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DE 19522603 A 19950619; DE 59601155 T 19960605; DE 9601048 W 19960605; EP 96916009 A 19960605; JP 50250597 A 19960605; US 98136298 A 19980402