

Title (en)
Power line high current cutoff device

Title (de)
Unterbrechungseinrichtung für Starkstromleitungen

Title (fr)
Dispositif d'interruption des lignes à courant fort

Publication
EP 0734034 A1 19960925 (EN)

Application
EP 95110661 A 19950707

Priority
IT TO950213 A 19950321

Abstract (en)
A manually or automatically operated device for rapidly disconnecting the power line between a current source and the user circuit in case of emergency, e.g. in automotive applications, for eliminating the risk of fire due to accidental pinching of the positive cables in the event of a crash; the device presenting a first and second contact member connected in series between two terminals of the line and movable in relation to each other in opposition to elastic means, and control means for selectively moving the contacts into a first work position wherein they contact each other to shortcircuit the line, and a second safety position wherein they are detached to disconnect the line; the contact members being defined by carbon brushes made from a sintered mixture of carbon powder and copper particles, and of the same type used in commutator motors.

IPC 1-7
H01H 1/14; **H01H 1/02**

IPC 8 full level
H01H 1/025 (2006.01); **H01H 1/14** (2006.01); **H01H 3/28** (2006.01); **H01H 15/00** (2006.01); **H01H 19/62** (2006.01); **H01H 35/14** (2006.01)

CPC (source: EP)
H01H 1/025 (2013.01); **H01H 1/14** (2013.01); **H01H 3/28** (2013.01); **H01H 15/00** (2013.01); **H01H 19/62** (2013.01); **H01H 35/14** (2013.01)

Citation (search report)
• [A] US 5266760 A 19931130 - LINK DONALD A [US], et al
• [A] FR 1392967 A 19650319 - MORGANITE CARBON LTD

Cited by
CN104900429A

Designated contracting state (EPC)
DE ES FR GB SE

DOCDB simple family (publication)
EP 0734034 A1 19960925; **EP 0734034 B1 20010418**; DE 69520732 D1 20010523; DE 69520732 T2 20010913; ES 2156172 T3 20010616; IT 1280813 B1 19980211; IT TO950213 A0 19950321; IT TO950213 A1 19960921

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