

Title (en)
Isolating switch with snap opening

Title (de)
Trennschalter mit Schnappausschaltung

Title (fr)
Sectionneur à ouverture brusque

Publication
EP 0591591 B1 19961106 (FR)

Application
EP 92402752 A 19921008

Priority
• EP 92402752 A 19921008
• FR 9104251 A 19910408

Abstract (en)
[origin: US5228559A] A section switch has a pivoting blade connected to a first connector. The blade is provided with a contact hammer for engaging contact jaws connected to a second connector. The section switch includes a first contact finger fixed to a first spring and electrically connected to the second connector. A second contact finger is fixed to a second spring. The fingers come successively into contact during an opening operation of the section switch with an arcing horn that extends the hammer. The second finger and second spring are disposed so that the opening movement of the section switch causes ever-increasing amounts of energy to be stored in the second spring to cause the finger to rapidly escape from the arcing horn after a given opening stroke. The hammer is rotated about its axis to reduce contact force between the hammer and the jaws during opening of the section switch.

IPC 1-7
H01H 31/02; **H01H 33/12**

IPC 8 full level
H01H 31/02 (2006.01); **H01H 33/12** (2006.01); **H01H 33/20** (2006.01)

CPC (source: EP US)
H01H 31/023 (2013.01 - EP US); **H01H 33/121** (2013.01 - EP US); **H01H 2031/286** (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 5228559 A 19930720; AT E145086 T1 19961115; CA 2065512 A1 19921009; CA 2065512 C 19951205; DE 69215095 D1 19961212; DE 69215095 T2 19970306; DK 0591591 T3 19961125; EP 0591591 A1 19940413; EP 0591591 B1 19961106; ES 2093233 T3 19961216; FR 2674985 A1 19921009; FR 2674985 B1 19960906; GR 3022160 T3 19970331

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US 86307492 A 19920403; AT 92402752 T 19921008; CA 2065512 A 19920407; DE 69215095 T 19921008; DK 92402752 T 19921008; EP 92402752 A 19921008; ES 92402752 T 19921008; FR 9104251 A 19910408; GR 960403628 T 19961227