

Title (en)

Switch with two pairs of contacts and two-cell arc extinguishing chamber

Title (de)

Schalter mit zwei Kontaktpaaren und zweizelliger Lichtbogenlöschkammer

Title (fr)

Interrupteur a deux paires de contacts et une chambre d'extinction a deux compartiments

Publication

EP 1017073 A3 20010425 (EN)

Application

EP 99203932 A 19991125

Priority

IT MI982619 A 19981202

Abstract (en)

[origin: EP1017073A2] The arc extinguishing unit of the switch comprises a body of insulating material (20) and two packs (21, 21') of superposed laminae (23, 23') insulated from one another. Each pack of laminae has an arc splitting side and a gas discharge side, and is arranged beside the other with the interposition of a substantially flat portion (28) of the body. In order to obtain compactness, efficiency of extinguishing of the arc, and discharge of the gases without dispersions within the switch, means (31-34) are provided for channelling the gases formed, partly inside the body (20) and partly by conjugate surfaces of the body and of at least one of the shells (5, 5') which together constitute the housing of the switch. Said channelling means extend from a region adjacent to the discharge side of each of the two packs of laminae as far as apertures (15) provided on one side of the housing. <IMAGE>

IPC 1-7

H01H 9/34

IPC 8 full level

H01H 9/34 (2006.01)

CPC (source: EP)

H01H 9/342 (2013.01)

Citation (search report)

- [A] FR 2511188 A1 19830211 - TELEMECANIQUE ELECTRIQUE [FR]
- [A] US 3448231 A 19690603 - HEFT ELDON B
- [A] DE 1104019 B 19610406 - CONTINENTAL ELEKTRO IND AG
- [A] EP 0306382 A1 19890308 - MERLIN GERIN [FR]

Cited by

EP3439015A4

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1017073 A2 20000705; EP 1017073 A3 20010425; EP 1017073 B1 20050831; AT E303653 T1 20050915; DE 69926982 D1 20051006; DE 69926982 T2 20060614; ES 2248960 T3 20060316; IT 1303637 B1 20010221; IT MI982619 A1 20000602

DOCDB simple family (application)

EP 99203932 A 19991125; AT 99203932 T 19991125; DE 69926982 T 19991125; ES 99203932 T 19991125; IT MI982619 A 19981202