

Title (en)
ELECTRICAL SWITCH WITH A SHIELD

Publication
EP 0185576 B1 19890705 (FR)

Application
EP 85402286 A 19851125

Priority
FR 8417963 A 19841126

Abstract (en)
[origin: ES8609804A1] An electric switch in which a screen is inserted very quickly between two contacts at the moment when they part. The energy of the arc generated between the contacts inside a volume surrounded by an insulating mobile sheath is used to heat gases released, and the resulting gas pressure displaces the sheath quickly, so that the arc passing through an opening in the sheath is sheared between the sheath and the housing. This type of switch is used to advantage in protection apparatus designed to respond to an abnormal increase of the current flowing in a circuit in which they are series mounted, and in switches where rated current is high.

IPC 1-7
H01H 9/32

IPC 8 full level
H01H 9/32 (2006.01); **H01H 33/06** (2006.01)

CPC (source: EP US)
H01H 9/32 (2013.01 - EP US); **H01H 2077/025** (2013.01 - EP US)

Cited by
US4849591A; WO8705745A1

Designated contracting state (EPC)
AT BE LU NL SE

DOCDB simple family (publication)
EP 0185576 A1 19860625; EP 0185576 B1 19890705; AT E44421 T1 19890715; BR 8505923 A 19860819; CA 1256919 A 19890704; CH 666137 A5 19880630; DE 3541747 A1 19860528; ES 549290 A0 19860716; ES 8609804 A1 19860716; FR 2573913 A1 19860530; FR 2573913 B1 19870109; GB 2168199 A 19860611; GB 2168199 B 19890628; GB 8529129 D0 19860102; IE 56973 B1 19920226; IE 852967 L 19860526; IT 1186213 B 19871118; IT 8522974 A0 19851125; JP S61153907 A 19860712; US 4700030 A 19871013; ZA 859038 B 19860827

DOCDB simple family (application)
EP 85402286 A 19851125; AT 85402286 T 19851125; BR 8505923 A 19851126; CA 496138 A 19851125; CH 501085 A 19851125; DE 3541747 A 19851126; ES 549290 A 19851126; FR 8417963 A 19841126; GB 8529129 A 19851126; IE 296785 A 19851126; IT 2297485 A 19851125; JP 26597285 A 19851126; US 80209285 A 19851125; ZA 859038 A 19851126