

Title (en)
Electric short-circuiting switch comprising a standalone pyrotechnical actuator and assembly for protection against internal arcs comprising such a short-circuiting switch

Title (de)
Elektrischer Erdungs-Trennschalter, der ein autonomes pyrotechnisches Stellglied umfasst, und Schutzanlage gegen interne Lichtbögen, die mit einem solchen Erdungs-Trennschalter ausgestattet ist

Title (fr)
Court-circuiteur électrique comprenant un actionneur pyrotechnique autonome et ensemble de protection contre les arcs internes comportant un tel court-circuiteur

Publication
EP 2073235 B1 20130109 (FR)

Application
EP 08354086 A 20081121

Priority
FR 0708814 A 20071218

Abstract (en)
[origin: EP2073235A1] The switch has a self-locking electrical contact assembly (300) comprising a mobile conducting unit (301) and a hollow envelope (302) that are connected to respective electrical terminals e.g. phase conductors. A pyrotechnic actuator (200) has a conducting jack body (202) provided with units electrically connected to one of electrical terminals. An electrical connection unit (207) maintains a permanent electrical contact between the jack body and a mobile needle (201) displaced in the body. A semi liquid dielectric is provided with a silicon gel. An independent claim is also included for a protection assembly protecting an electrical installation against internal arcs and connecting a set of electrical bars to earth.

IPC 8 full level
H01H 39/00 (2006.01)

CPC (source: EP)
H01H 39/004 (2013.01); **H01H 3/60** (2013.01); **H01H 31/003** (2013.01); **H01H 33/664** (2013.01); **H01H 79/00** (2013.01)

Cited by
US2017309432A1; US10388481B2; AU2013332473A1; AU2013332473B2; EP2909855A4; US8492672B2; US9318294B2; EP2573785A1; WO2013022572A1; WO2014062114A1

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EP 2073235 A1 20090624; EP 2073235 B1 20130109; ES 2399938 T3 20130404; FR 2925213 A1 20090619; FR 2925213 B1 20091127

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