

Title (en)
SWITCH WITH ARCING CHAMBER

Title (de)
SCHALTER MIT LOESCHKAMMER

Title (fr)
INTERRUPTEUR À CHAMBRE D'EXTINCTION

Publication
EP 2649630 B1 20150318 (DE)

Application
EP 11794472 A 20111207

Priority
• EP 10194006 A 20101207
• EP 2011072092 W 20111207
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Abstract (en)
[origin: EP2463876A1] A fixed contact (2) and conductive movable contact (3) includes contact regions (21,22,31,32). Contact regions of both contacts are electrically connected and separated in ON and OFF states of switch. The magnets (71,72) produces constant magnetic field (M) under contact regions and applies magnetic force (F) in range between contact regions to remove electric arcs (51,52) produced in OFF state along preset direction. Two bridge plates (81,82) remove electric arcs in different direction along movement axis (BA) of movable contact with respect to contact regions of fixed contact.

IPC 8 full level
H01H 1/20 (2006.01); **H01H 9/44** (2006.01)

CPC (source: EP US)
H01H 1/20 (2013.01 - EP US); **H01H 9/443** (2013.01 - EP US); **H01H 33/182** (2013.01 - US); **H01H 9/346** (2013.01 - EP US);
H01H 33/596 (2013.01 - EP US)

Designated contracting state (EPC)
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