

Title (en)
SWITCH HAVING A QUENCHING CHAMBER

Title (de)
SCHALTER MIT LOESCHKAMMER

Title (fr)
INTERRUPTEUR À CHAMBRE D'EXTINCTION

Publication
EP 2649628 A1 20131016 (DE)

Application
EP 11793783 A 20111207

Priority
• EP 10194011 A 20101207
• EP 2011072094 W 20111207
• EP 11793783 A 20111207

Abstract (en)
[origin: EP2463877A1] The switch (1) has two magnets generating a magnetic field (M) in a region of contact regions of switching chambers (11a, 11b) for exerting magnetic force (F) on flashing arcs. The flashing arcs are driven in a direction of extinguishing equipment (41-43) depending on a current direction (I) in the flashing arcs, where the extinguishing equipment extinguish the flashing arcs. A contact piece (30) of the switching chambers is arranged in such manner that the contact regions are formed in a line perpendicular to a motion direction.

IPC 8 full level
H01H 9/44 (2006.01); **H01H 1/20** (2006.01); **H01H 9/34** (2006.01)

CPC (source: EP US)
H01H 1/2025 (2013.01 - EP US); **H01H 9/346** (2013.01 - EP US); **H01H 9/443** (2013.01 - EP US); **H01H 33/182** (2013.01 - EP US); **H01H 33/596** (2013.01 - EP US)

Citation (search report)
See references of WO 2012076604A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2463877 A1 20120613; BR 112013014209 A2 20170801; CA 2820791 A1 20120614; CN 103348429 A 20131009; EP 2649628 A1 20131016; EP 2649628 B1 20161005; PL 2649628 T3 20170630; US 2013264311 A1 20131010; US 9214305 B2 20151215; WO 2012076604 A1 20120614

DOCDB simple family (application)
EP 10194011 A 20101207; BR 112013014209 A 20111207; CA 2820791 A 20111207; CN 201180066965 A 20111207; EP 11793783 A 20111207; EP 2011072094 W 20111207; PL 11793783 T 20111207; US 201113992347 A 20111207