

Title (en)
ELECTRICAL SNAP-ACTION SWITCH

Title (de)
ELEKTRISCHER SCHNAPPSCHALTER

Title (fr)
INTERRUPTEUR ÉLECTRIQUE À RESSORT

Publication
EP 2556522 A1 20130213 (DE)

Application
EP 12702186 A 20120127

Priority
• DE 102011014294 A 20110317
• EP 2012000381 W 20120127

Abstract (en)
[origin: WO2012123052A1] The invention relates to an electrical snap-action switch with a contact link which can be actuated via a switching plunger and a bistable spring and which is connectable in a first switching position to at least one first contact pair and in a second switching position to at least one second contact pair, wherein the spring arrangement on both sides of the switching plunger has at least one spring arm, via which, in addition, the contact link is movable transversely with respect to the movement direction of the switching plunger up to a movement end position in the event of breakage of one of the spring arms, wherein a sliding ramp is provided in the movement path of the contact link, which sliding ramp spaces apart at least one contact of the contact link in the movement end position from the associated contact of the respective contact pair in the event of breakage of one spring arm.

IPC 8 full level
H01H 3/00 (2006.01); **H01H 13/22** (2006.01)

CPC (source: EP US)
H01H 1/2025 (2013.01 - EP US); **H01H 5/04** (2013.01 - EP US); **H01H 5/30** (2013.01 - US); **H01H 13/22** (2013.01 - EP US);
H01H 13/36 (2013.01 - EP US)

Citation (search report)
See references of WO 2012123052A1

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)
DE 102011014294 B3 20120329; BR 112013009187 A2 20160726; BR 112013009187 B1 20201222; CN 103503102 A 20140108;
CN 103503102 B 20160120; EP 2556522 A1 20130213; EP 2556522 B1 20130911; RU 2013102121 A 20140727; RU 2533191 C2 20141120;
US 2014001020 A1 20140102; US 9236201 B2 20160112; WO 2012123052 A1 20120920; ZA 201300568 B 20140326

DOCDB simple family (application)
DE 102011014294 A 20110317; BR 112013009187 A 20120127; CN 201280013481 A 20120127; EP 12702186 A 20120127;
EP 2012000381 W 20120127; RU 2013102121 A 20120127; US 201214005819 A 20120127; ZA 201300568 A 20130122