

Title (en)

Switching contact having a weight reduced contact spring

Title (de)

Schaltkontakt mit gewichtsreduzierter Kontaktfeder

Title (fr)

Contact de commutation avec un ressort de contact à poids réduit

Publication

EP 1903585 A3 20081231 (DE)

Application

EP 07017931 A 20070913

Priority

DE 102006043795 A 20060919

Abstract (en)

[origin: EP1903585A2] The switch has an electrical contact (2) formed as a hollow shaped-section of a pressing component (1) that is made of an electrically conductive material, where the contact has a hollow cylinder form. The hollow form is formed from a flat material through deformation. The contact has a contact surface (3), into which a precious metal layer is selectively introduced. The contact is formed as a single piece at the component.

IPC 8 full level

H01H 1/00 (2006.01); **H01H 1/021** (2006.01); **H01H 1/06** (2006.01)

CPC (source: EP US)

H01H 1/06 (2013.01 - EP US); **H01H 1/10** (2013.01 - US); **H01H 1/26** (2013.01 - EP US); **H01H 13/80** (2013.01 - US); **H01H 2201/002** (2013.01 - US)

Citation (search report)

- [X] FR 2504311 A1 19821022 - TELEMECANIQUE ELECTRIQUE [FR]
- [X] DE 3328360 A1 19850221 - SIEMENS AG [DE]
- [A] EP 1638119 A2 20060322 - TOKAI RIKI CO LTD [JP]

Cited by

CN104616922A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1903585 A2 20080326; **EP 1903585 A3 20081231**; **EP 1903585 B1 20151007**; DE 102006043795 B3 20080529; ES 2558307 T3 20160203; HU E028229 T2 20161228; PL 1903585 T3 20160331; US 2008156625 A1 20080703; US 2011083947 A1 20110414; US 2011297520 A1 20111208; US 8053693 B2 20111108; US 9589740 B2 20170307

DOCDB simple family (application)

EP 07017931 A 20070913; DE 102006043795 A 20060919; ES 07017931 T 20070913; HU E07017931 A 20070913; PL 07017931 T 20070913; US 201113211843 A 20110817; US 90162707 A 20070918; US 96910910 A 20101215