

Title (en)
Electrical switch

Title (de)
Elektrischer Schalter

Title (fr)
Interrupteur électrique

Publication
EP 1764813 A1 20070321 (DE)

Application
EP 05020267 A 20050916

Priority
EP 05020267 A 20050916

Abstract (en)
Electrical switch comprises a common contact body (21), an elastically deformable contact sensor (25), which is in the form of leaf spring, electrically connected to common contact body and an actuator. A first selective contact body (22) and second selective contact body (23) have contact surface (23b) connected with contact sensor. The contact sensor engages the contact surface of selective contact body. The contact sensor under the influence of its pretension is in contact with first selective contact body by activated actuator and with the second selective body in switch operative contact. Contact sensor is provided for switching operative contact of the contact surfaces, present on the selective contact bodies, with contact fingers (26) which protrude from the edge of the leaf spring. The contact fingers geometrically form a common contact surface together with the contact surface of both selective contact body in which the contact finger slidably engage the contact surface of the selective contact body with the deformation of the contact sensors.

IPC 8 full level
H01H 13/12 (2006.01); **H01H 1/42** (2006.01)

CPC (source: EP US)
H01H 1/42 (2013.01 - EP US); **H01H 13/12** (2013.01 - EP US); **H01H 13/52** (2013.01 - EP US); **H01H 2001/0005** (2013.01 - EP US)

Citation (applicant)
DE 4420665 B4 20040311 - ALPS ELECTRIC CO LTD [JP]

Citation (search report)
• [DA] EP 1533823 A1 20050525 - CROUZET AUTOMATISMES [FR]
• [A] GB 1088616 A 19671025 - MATSUSHITA ELECTRIC WORKS LTD
• [A] EP 1288985 A2 20030305 - NILES PARTS CO LTD [JP]
• [A] US 3786209 A 19740115 - BURY A

Cited by
DE102007048581B3; CN106894608A; DE102010029979A1; CN106710944A; US8124896B2; EP2048676A2

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1764813 A1 20070321; **EP 1764813 B1 20090722**; AT E437446 T1 20090815; CN 1937125 A 20070328; CN 1937125 B 20110622; DE 502005007754 C5 20120823; DE 502005007754 D1 20090903; ES 2328255 T3 20091111; JP 2007095676 A 20070412; JP 4933207 B2 20120516; PL 1764813 T3 20091231; US 2007062796 A1 20070322; US 7442895 B2 20081028

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