

Title (en)

Vacuum switch

Title (de)

Vakuumschalter

Title (fr)

Interrupteur à vide

Publication

EP 1901324 A3 20090304 (DE)

Application

EP 07014808 A 20070727

Priority

DE 102006043632 A 20060918

Abstract (en)

[origin: EP1901324A2] The vacuum switch (1) has two switch contacts and an drive system (3) with a switch rod (5) moving a switch contact. The drive system has a main spring (6) carrying the switch rod from an open position into a switching position, and a drive that is an electric motor drive, for clamping the main spring. A lock mechanism (11) for locking the main spring in clamping position and a halting latch supported in pivoted manner. The switch rod is released in a pivoted locking position of the halting latch by pivoting the halting latch for carrying the switching position into the open position. An independent claim is also included for a method for switching the switching contacts of a vacuum switch, involves positioning the switch rod into the switching position.

IPC 8 full level

H01H 33/66 (2006.01); **H01H 3/30** (2006.01)

CPC (source: EP)

H01H 3/3031 (2013.01); **H01H 33/666** (2013.01); **H01H 3/3026** (2013.01)

Citation (search report)

- [A] EP 0755564 B1 19980701 - HOLEC HOLLAND NV [NL]
- [A] US 4161638 A 19790717 - ETTINGER ROBERT H [US]
- [A] SU 1446661 A1 19881223 - MINUSINSKOE OTDEL V ELEKTROTEK [SU]
- [A] EP 1244124 A1 20020925 - TECHNOELECTRIC S R L [IT]

Cited by

CN102184801A; EP2317529A1; FR3024799A1; US8618430B2; WO2011054728A1

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 1901324 A2 20080319; **EP 1901324 A3 20090304**; **EP 1901324 B1 20110622**; AT E514175 T1 20110715; CN 101150024 A 20080326; CN 101150024 B 20120829; DE 102006043632 A1 20080327; ES 2365227 T3 20110926; HK 1110435 A1 20080711; RU 2007134906 A 20090327; RU 2421841 C2 20110620

DOCDB simple family (application)

EP 07014808 A 20070727; AT 07014808 T 20070727; CN 200710151260 A 20070918; DE 102006043632 A 20060918; ES 07014808 T 20070727; HK 08104764 A 20080430; RU 2007134906 A 20070919