

Title (en)
PUSH-SWITCH PROVIDED WITH SELF-CLEANING CONTACTS

Title (de)
DRUCKSCHALTER MIT SELBSTREINIGENDEN KONTAKTEN

Title (fr)
COMMUTATEUR A POUSSOIR AVEC CONTACTS AUTONETTOYANTS

Publication
EP 1595270 B1 20060621 (DE)

Application
EP 04706127 A 20040129

Priority

- DE 2004000170 W 20040129
- DE 20303116 U 20030220

Abstract (en)
[origin: WO2004075223A1] The invention relates to a switch provided with self-cleaning contacts used, in particular for actuating a horn for a steering wheel of a motor vehicle. The inventive switch comprises at least two opposite contacts one of which is movable and touches the opposite contact by means of an actuating element. The self-cleaning of the contacts is carried out by the reciprocal sliding thereof, the contact associated with the actuating element is fixed to a supporting element which is embodied in such a way that it is elastic and fixed to an end, an opposite end being free and moveable. Said invention is characterised in that the supporting element (2) from the fixing side outward has an inclined line with respect to the direction of actuation (B) in the direction of said actuating element (14), and subsequently in the direction of the free end thereof. A line is also inclined in the direction of the free end thereof with respect to the direction of actuation (B) starting from the actuating element (14).

IPC 8 full level
H01H 1/18 (2006.01); **B60Q 5/00** (2006.01); **H01H 13/80** (2006.01)

CPC (source: EP US)
H01H 1/18 (2013.01 - EP US); **H01H 13/80** (2013.01 - EP US); **H01H 2201/008** (2013.01 - EP US)

Designated contracting state (EPC)
DE ES FR GB SE

DOCDB simple family (publication)
DE 20303116 U1 20030717; BR PI0407609 A 20060214; CN 100437853 C 20081126; CN 1745444 A 20060308;
DE 502004000832 D1 20060803; EP 1595270 A1 20051116; EP 1595270 B1 20060621; EP 1595270 B9 20061206;
ES 2267038 T3 20070301; JP 2006518537 A 20060810; JP 4294051 B2 20090708; US 2006207866 A1 20060921; US 7307229 B2 20071211;
WO 2004075223 A1 20040902

DOCDB simple family (application)
DE 20303116 U 20030220; BR PI0407609 A 20040129; CN 200480003396 A 20040129; DE 2004000170 W 20040129;
DE 502004000832 T 20040129; EP 04706127 A 20040129; ES 04706127 T 20040129; JP 2006501485 A 20040129; US 54610504 A 20040129