

Title (en)
Tumbler Switch

Title (de)
Kippschalter

Title (fr)
Interrupteur à bascule

Publication
EP 1513175 B1 20120411 (DE)

Application
EP 04018833 A 20040809

Priority
DE 10341101 A 20030905

Abstract (en)
[origin: EP1513175A2] The toggle switch includes a rocker (14) with an arm (18) which transmits a force to an operating rod (24) which moves linearly in a receptacle (26) in a guide plate (28). The operating rod acts on a switch unit (30,32) to close an electrical contact. The guide plate and the operating rod have respective break edges along which they were integrally connected together prior to assembly of the toggle switch. An independent claim is included for a method of manufacturing a toggle switch.

IPC 8 full level
H01H 11/00 (2006.01); **H01H 21/22** (2006.01); **H01H 23/02** (2006.01); **H01H 23/04** (2006.01); **H01H 23/30** (2006.01); **H01H 19/635** (2006.01); **H01H 23/00** (2006.01)

CPC (source: EP US)
H01H 21/22 (2013.01 - EP US); **H01H 19/635** (2013.01 - EP US); **H01H 23/003** (2013.01 - EP US); **H01H 2021/225** (2013.01 - EP US); **H01H 2233/006** (2013.01 - EP US); **H01H 2300/01** (2013.01 - EP US); **Y10T 29/49105** (2015.01 - EP US)

Cited by
EP1988441A1; EP2053623A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1513175 A2 20050309; **EP 1513175 A3 20070411**; **EP 1513175 B1 20120411**; AT E553492 T1 20120415; CN 1312713 C 20070425; CN 1591728 A 20050309; DE 10341101 A1 20050421; DE 10341101 B4 20061012; JP 2005085762 A 20050331; US 2005051413 A1 20050310; US 7071435 B2 20060704

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EP 04018833 A 20040809; AT 04018833 T 20040809; CN 200410068579 A 20040903; DE 10341101 A 20030905; JP 2004257878 A 20040906; US 93117504 A 20040831