

Title (en)
Limit Switch

Title (de)
Positionsschalter

Title (fr)
Interrupteur de position

Publication
EP 2858081 B1 20180131 (FR)

Application
EP 14184556 A 20140912

Priority
FR 1359616 A 20131004

Abstract (en)
[origin: US2015096870A1] The invention relates to a limit switch comprising: a body (1) and a head (2), an actuation member (3), a shaft (30) that can be actuated in rotation about an axis of rotation (Y) by pivoting of the actuation member (3), a plunger (4), a cam mechanism for converting the rotational movement of the shaft (30) into a translational movement of the plunger (4) and vice versa, the cam mechanism comprising: a first cam (7) and a first cam follower (70), arranged to generate between them a first non-zero rotational torque over a first range of rotation of the shaft (30), a second cam (8) and a second cam follower (80), arranged to generate between them a second non-zero rotational torque over a second range of rotation of the shaft.

IPC 8 full level
H01H 3/30 (2006.01); **H01H 3/42** (2006.01); **H01H 21/28** (2006.01)

CPC (source: CN EP US)
H01H 3/04 (2013.01 - US); **H01H 3/16** (2013.01 - US); **H01H 3/3015** (2013.01 - CN EP US); **H01H 3/38** (2013.01 - US);
H01H 3/42 (2013.01 - CN EP US); **H01H 3/46** (2013.01 - US); **H01H 21/28** (2013.01 - CN EP US); **H01H 2235/01** (2013.01 - US)

Cited by
CN105810467A; TWI694479B

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2858081 A1 20150408; **EP 2858081 B1 20180131**; CN 104517751 A 20150415; CN 104517751 B 20170908; FR 3011672 A1 20150410;
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EP 14184556 A 20140912; CN 201410493883 A 20140924; FR 1359616 A 20131004; US 201414485941 A 20140915