

Title (en)
Electrical Switch

Title (de)
Elektrischer Schalter

Title (fr)
Interrupteur électrique

Publication
EP 2846341 A1 20150311 (EN)

Application
EP 13183403 A 20130906

Priority
EP 13183403 A 20130906

Abstract (en)
An electrical switch (100) has two switch units (200), each having at least one fixed contact (210A) and a moving contact (230A) supported for pivotal movement during switching operation between an OFF position out of contact with the fixed contact (210A) and an ON position in contact with the fixed contact (210A), and an operating mechanism (300) for moving the two moving contacts (230A & 230B) in tandem between the OFF and ON positions. The operating mechanism (300) has a spring (310) movable between a first position on one side of the two moving contacts (230A & 230B) and resiliently biasing the moving contacts towards the ON positions and a second position on the opposite side of the moving contacts and resiliently biasing the moving contacts towards the OFF positions, and an actuator (320) for moving the spring (310) between the first and second positions past an intermediate position of maximum stress. There is also a detent (400) for adding surmountable resistance against the action of the actuator (320) to move the spring (310) from one of the first and second positions to the other of the first and second positions.

IPC 8 full level
H01H 1/50 (2006.01); **H01H 3/50** (2006.01); **H01H 13/30** (2006.01); **H01H 13/52** (2006.01); **H01H 9/04** (2006.01); **H01H 13/06** (2006.01)

CPC (source: EP)
H01H 1/50 (2013.01); **H01H 3/50** (2013.01); **H01H 13/30** (2013.01); **H01H 13/52** (2013.01); **H01H 13/06** (2013.01); **H01H 2009/048** (2013.01)

Citation (search report)
• [XY] EP 2151839 A1 20100210 - COACTIVE TECHNOLOGIES INC [US]
• [Y] EP 2346057 A1 20110720 - ALPS ELECTRIC CO LTD [JP]
• [Y] FR 2452775 A1 19801024 - MANUF ALPES FSES

Cited by
CN113345744A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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