

Title (en)
Helicoidal switch

Title (de)
Schraubenförmiger Schalter

Title (fr)
Commutateur hélicoïdal

Publication
EP 2866244 A1 20150429 (EN)

Application
EP 13382418 A 20131022

Priority
EP 13382418 A 20131022

Abstract (en)
The present invention relates to a current breaker switch which allows quickly, effectively and completely extinguishing electric arcs occurring in an electric circuit during circuit cut-off and closing operations, which makes it particularly applicable to cutting off direct current. The switch comprises at least one pair of fixed contacts (4,4') and a moving contact (9) assembled in a rotor (2) made of an insulating material, where the rotor (2) is suitable for moving, defining a helicoidal movement with respect to the fixed contacts. The switch achieves a solid cut-off of the current, because the insulating material of the rotor (2) is instantly placed between the two fixed contacts (4,4') in the same instant in which the power is cut off.

IPC 8 full level
H01H 19/56 (2006.01); **H01H 1/36** (2006.01); **H01H 9/32** (2006.01); **H01H 33/00** (2006.01); **H01H 9/52** (2006.01)

CPC (source: EP)
H01H 1/365 (2013.01); **H01H 9/32** (2013.01); **H01H 19/56** (2013.01); **H01H 33/002** (2013.01); **H01H 9/52** (2013.01)

Citation (search report)

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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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DOCDB simple family (application)
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