

Title (en)

Helicoidal switch

Title (de)

Schraubenförmiger Schalter

Title (fr)

Commutateur hélicoïdal

Publication

**EP 2866244 B1 20170503 (EN)**

Application

**EP 13382418 A 20131022**

Priority

EP 13382418 A 20131022

Abstract (en)

[origin: EP2866244A1] 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)

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Citation (examination)

US 3330928 A 19670711 - WENDELL SEABLOM

Cited by

EP3144950A1; US10269512B2

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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

DOCDB simple family (publication)

**EP 2866244 A1 20150429**; **EP 2866244 B1 20170503**; EP 3196911 A1 20170726; EP 3196911 B1 20190109; ES 2633768 T3 20170925; ES 2712068 T3 20190509; WO 2015059325 A1 20150430

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