

Title (en)

POWER SWITCH, ESPECIALLY HIGH-CURRENT SWITCH

Title (de)

LEISTUNGSSCHALTER, INSBESONDERE HOCHSTROMSCHALTER

Title (fr)

DISJONCTEUR DE PUISSANCE, EN PARTICULIER DISJONCTEUR DE COURANT À HAUTE INTENSITÉ

Publication

**EP 2016602 B1 20180627 (DE)**

Application

**EP 06753170 A 20060510**

Priority

DE 2006000851 W 20060510

Abstract (en)

[origin: WO2007128250A1] The invention relates to a power switch, especially a high-current switch, comprising at least one pole unit with a pole head and a pole base and a contact system interposed therebetween, for switching a current that is guided via at least one first conductor rail of the pole base and at least one second conductor rail of the pole head, the pole head and the pole base having respective connecting elements. The aim of the invention is to provide a power switch of the aforementioned type which has a cost-effective design and improved current carrying capacity and thermal conductivity. For this purpose, the connecting elements are configured only to connect the at least one first conductor rail and the at least one second conductor rail to the contact system while forming current paths. At least one cooling body is attached outside the conducting paths to the first and the second conductor rail, respectively. The fastening elements of the pole unit are attached outside the conducting paths to the conductor rails.

IPC 8 full level

**H01H 9/52** (2006.01); **H01H 33/02** (2006.01); **H01H 33/66** (2006.01)

CPC (source: EP)

**H01H 9/52** (2013.01); **H01H 33/025** (2013.01); **H01H 2009/526** (2013.01); **H01H 2033/6613** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007128250 A1 20071115**; CN 101438361 A 20090520; CN 101438361 B 20111005; DE 112006003951 A5 20090409; EP 2016602 A1 20090121; EP 2016602 B1 20180627; TR 201812630 T4 20180921

DOCDB simple family (application)

**DE 2006000851 W 20060510**; CN 200680054500 A 20060510; DE 112006003951 T 20060510; EP 06753170 A 20060510; TR 201812630 T 20060510