

Title (en)

Power resistor for high voltage power switch

Title (de)

Einschaltwiderstand für Hochspannungsleistungsschalter

Title (fr)

Résistance de mise en marche pour commutateur de puissance haute tension

Publication

EP 2034500 A1 20090311 (DE)

Application

EP 07116030 A 20070910

Priority

EP 07116030 A 20070910

Abstract (en)

The resistor arrangement (18) has several connectors (24-27) arranged in series with one another and at least one of the resistors being arranged between at least two connectors, for serial electrical connection of the connectors. The connectors which are electrically connected to one of the resistors are in the form of a cooling element for dissipating heat from the resistor. The resistors are arranged in parallel to one another between two cooling elements and are connected electrically in parallel with one another by the cooling elements.

Abstract (de)

Eine Einschaltwiderstandsanzordnung (18) für einen Hochspannungsleistungsschalter weist eine Vielzahl von Widerstandselementen (70) und eine Vielzahl von Kühlelementen (60) auf, wobei die Kühlelemente (60) zueinander in Serie angeordnet und in Serie miteinander elektrisch verbunden sind. Zwischen jeweils zwei in Serie angeordneten Kühlelementen (60) sind die Widerstandselemente (70) angeordnet, die die elektrischen Kühlelemente (60) miteinander elektrisch verbinden.

IPC 8 full level

H01H 33/16 (2006.01); **H01C 1/06** (2006.01); **H01C 1/084** (2006.01)

CPC (source: EP KR US)

H01C 1/084 (2013.01 - EP US); **H01C 7/00** (2013.01 - KR); **H01C 7/12** (2013.01 - KR); **H01C 8/04** (2013.01 - KR); **H01H 33/16** (2013.01 - KR); **H01H 33/165** (2013.01 - EP US); **H01H 33/166** (2013.01 - EP US)

Citation (search report)

- [XY] FR 940438 A 19481213 - LANGLADE & PICARD ETS
- [X] US 2870307 A 19590120 - MILLIKEN ALVIN R, et al
- [Y] EP 0041470 A2 19811209 - SIEMENS AG [DE]
- [DY] WO 9302461 A1 19930204 - ABB POWER T & D CO [US]

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CN112041960A; FR2965098A1; US11587748B2; WO2012038405A1; WO2019201486A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2034500 A1 20090311; **EP 2034500 B1 20100825**; AT E479193 T1 20100915; BR PI0803531 A2 20090519; CN 101393815 A 20090325; CN 101393815 B 20130424; DE 502007004867 D1 20101007; JP 2009081135 A 20090416; KR 101479192 B1 20150105; KR 20090026737 A 20090313; RU 2008136339 A 20100320; RU 2464662 C2 20121020; US 2009067108 A1 20090312

DOCDB simple family (application)

EP 07116030 A 20070910; AT 07116030 T 20070910; BR PI0803531 A 20080910; CN 200810173766 A 20080910; DE 502007004867 T 20070910; JP 2008231662 A 20080910; KR 20080088760 A 20080909; RU 2008136339 A 20080909; US 20676908 A 20080909