

Title (en)

ELECTRICAL SWITCHING DEVICE WITH POTENTIAL CONTROL

Title (de)

ELEKTRISCHES SCHALTGERÄT MIT POTENTIALSTEUERUNG

Title (fr)

COMMUTATEUR ÉLECTRIQUE AVEC COMMANDE DE POTENTIAL

Publication

EP 1977435 A1 20081008 (DE)

Application

EP 07703610 A 20070103

Priority

- EP 2007050043 W 20070103
- DE 102006004811 A 20060126

Abstract (en)

[origin: WO2007085510A1] Electrical switching device with potential control Electrical switching device, having at least one interrupter unit, wherein the interrupter unit has an electrical switching point, and the interrupter unit having in each case one switching point has an electrical capacitance with respect to the electrical grounding. Conventionally, electrical switching devices, such as circuit breakers for high-voltage installations, for example, with so-called control capacitors, which are connected in parallel with the switching point, are used for making the voltage uniform across a plurality of interrupter units of an electrical switching device. As a result, a virtually uniform voltage load on all the interrupter units of the electrical switching device is ensured. The subject matter of the present invention is to use resistive and/or inductive components for making the voltage uniform across an electrical switching device instead of or in addition to the control capacitors used.

IPC 8 full level

H01H 33/14 (2006.01); **H01H 33/16** (2006.01)

CPC (source: EP US)

H01H 33/14 (2013.01 - EP US); **H01H 33/16** (2013.01 - EP US); **H01H 33/008** (2013.01 - EP US); **H01H 2033/146** (2013.01 - EP US)

Citation (search report)

See references of WO 2007085510A1

Designated contracting state (EPC)

CH DE FR LI SE

DOCDB simple family (publication)

WO 2007085510 A1 20070802; CN 101375356 A 20090225; DE 102006004811 A1 20070809; EP 1977435 A1 20081008; US 2009014418 A1 20090115

DOCDB simple family (application)

EP 2007050043 W 20070103; CN 200780003626 A 20070103; DE 102006004811 A 20060126; EP 07703610 A 20070103; US 16227607 A 20070103