

Title (en)

High-tension switchgear with at least two vacuum switches connected in series for operating the high-tension switchgear

Title (de)

Hochspannungsschalgerät mit Serienschaltung von mindestens zwei Vakuumschaltkammern und Verfahren zum Betrieb des Hochspannungsschaltgerätes

Title (fr)

Appareil de commutation à haute tension avec montage en série d'au moins deux interrupteurs sous vide pour le fonctionnement de l'appareil de commutation à haute tension

Publication

EP 1037232 A3 20010725 (DE)

Application

EP 00104869 A 20000307

Priority

DE 19912022 A 19990317

Abstract (en)

[origin: EP1037232A2] High voltage switching equipment, comprises series-connected vacuum switch chambers (1, 2) of different sizes and/or contact piece designs. High voltage switching equipment comprises two or more series-connected vacuum switch chambers (1, 2) which have different physical sizes and/or contact piece designs, e.g. diameters, spacings or types, and are selected so that re-arcing and arc-backs of one chamber type are controlled by another chamber type. An Independent claim is also included for operation of the above switching equipment, by time-offset opening of the contact pieces of two or more vacuum switch chambers. Preferred Features: Quench chamber insulation may be achieved with sulfur hexafluoride (SF6), nitrogen (N2), air or other gaseous or liquid insulating material.

IPC 1-7

H01H 33/66

IPC 8 full level

H02B 13/02 (2006.01); **H01H 33/14** (2006.01); **H01H 33/66** (2006.01); **H01H 33/666** (2006.01)

CPC (source: EP US)

H01H 33/143 (2013.01 - EP US); **H01H 33/666** (2013.01 - EP US); **H01H 2033/566** (2013.01 - EP US)

Citation (search report)

- [A] GB 1080198 A 19670823 - LICENTIA GMBH
- [A] US 2859309 A 19581104 - SCHWAGER AUGUST C, et al
- [A] US 3814882 A 19740604 - HARROLD R
- [A] US 3813506 A 19740528 - MITCHELL G
- [A] DE 3811833 A1 19891019 - SIEMENS AG [DE]
- [A] FR 2075511 A5 19711008 - GEN ELECTRIC

Cited by

US7239492B2; WO02097839A1; WO2007085510A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1037232 A2 20000920; **EP 1037232 A3 20010725**; **EP 1037232 B1 20060913**; CN 1273430 A 20001115; DE 19912022 A1 20000921; DE 19912022 B4 20090212; DE 50013445 D1 20061026; JP 2000294091 A 20001020; JP 4489900 B2 20100623; US 6498315 B1 20021224

DOCDB simple family (application)

EP 00104869 A 20000307; CN 00108392 A 20000316; DE 19912022 A 19990317; DE 50013445 T 20000307; JP 2000074382 A 20000316; US 52842300 A 20000317