

Title (en)

Low-, medium-, or high-voltage vacuum interrupter with a contact system

Title (de)

Vakuumschalter mit niedriger, mittlerer oder hoher Spannung mit Kontaktsystem

Title (fr)

Disjoncteur à vide basse, moyenne et haute tension avec un système de contact

Publication

**EP 2881961 A1 20150610 (EN)**

Application

**EP 13005639 A 20131204**

Priority

EP 13005639 A 20131204

Abstract (en)

The invention relates to a low-, medium-, or high-voltage vacuum interrupter with a contact system of two opposing contacts with AMF contact system, wherein at least one contact is a moving contact, and the AMF contact profile is bell-shaped. In order to develop a concept for higher current interruption, which results in effective arc elimination, the invention is, that in the center of each of the AMF-contact profiles a magnetic field weakening element is arranged .

IPC 8 full level

**H01H 33/12** (2006.01); **H01H 33/664** (2006.01)

CPC (source: EP)

**H01H 33/6642** (2013.01); **H01H 33/6643** (2013.01)

Citation (applicant)

US 2010230388 A1 20100916 - TAK SUNG JUN [KR], et al

Citation (search report)

- [Y] DE 2527319 A1 19760108 - WESTINGHOUSE ELECTRIC CORP
- [A] EP 2434513 A1 20120328 - ABB TECHNOLOGY AG [CH]
- [A] EP 2551878 A1 20130130 - ABB TECHNOLOGY AG [CH]
- [XY] LAMARA TAREK ET AL: "Theoretical and Experimental Investigation of New Innovative TMF-AMF Contacts for High-Current Vacuum Arc Interrup", IEEE TRANSACTIONS ON PLASMA SCIENCE, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 41, no. 8, 1 August 2013 (2013-08-01), pages 2043 - 2050, XP011523369, ISSN: 0093-3813, [retrieved on 20130807], DOI: 10.1109/TPS.2013.2273178

Cited by

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Designated contracting state (EPC)

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BA ME

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DOCDB simple family (application)

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