

Title (en)

COIL FOR A CONTACT OF A MEDIUM VOLTAGE VACUUM SWITCH HAVING AN INCREASED ARC BREAKING CAPACITY, AND RELATED VACUUM SWITCH AND SWITCHGEAR, IN PARTICULAR ALTERNATOR LOAD-BREAK SWITCH

Title (de)

WICKLUNG FÜR EINEN VAKUUMSCHALTERKONTAKT FÜR MITTELSPANNUNG MIT ERHÖHTER AUSSCHALTLEISTUNG, VAKUUMSCHALTER UND SCHALTEINRICHTUNG, INSBESONDERE GENERATOR-SCHUTZSCHALTER

Title (fr)

ENROULEMENT POUR CONTACT D'AMPOULE À VIDE À MOYENNE TENSION À COUPURE D'ARC AMÉLIORÉE, AMPOULE À VIDE ET DISJONCTEUR, TEL QU'UN DISJONCTEUR SECTIONNEUR D'ALTERNATEUR ASSOCIÉS

Publication

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Application

**EP 10765768 A 20100927**

Priority

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- EP 2010064233 W 20100927

Abstract (en)

[origin: WO2011039133A1] The invention relates to a novel design for a winding (8) made of a material having low electrical resistivity, such as copper, and a diameter typically larger than 90 mm, intended for generating a magnetic field in an electric contact (2, 3) for a medium-voltage vacuum bulb (1), consisting of a hollow cylinder (8) including slots (81) free of material and formed helically about the longitudinal axis thereof, and being in communication with both the cavity and the outside of the cylinder. According to the invention, the angular length of each helix is at least equal to 360°. The invention enables an increase in the level of the magnetic field AMF obtained by the winding(s) integrated into an electric contact of a vacuum bulb while enhancing uniformity and field symmetry, and reducing production costs.

IPC 8 full level

**H01H 33/664** (2006.01)

CPC (source: EP US)

**H01H 33/6645** (2013.01 - EP US); **H01H 33/6642** (2013.01 - EP US); **Y10T 29/49002** (2015.01 - US)

Citation (search report)

See references of WO 2011039133A1

Citation (examination)

- US 2004164052 A1 20040826 - STOVING PAUL N [US], et al
- CN 101425424 A 20090506 - HUBEI HANGUANG SCIENCE AND TEC [CN]
- US 4618750 A 19861021 - ZUECKLER KARL [DE]

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