

Title (en)

GAS INSULATED ELECTRICAL SWITCHGEAR

Title (de)

GASISOLIERTE ELEKTRISCHE SCHALTANLAGE

Title (fr)

APPAREILLAGE DE COMMUTATION ÉLECTRIQUE À ISOLATION PAR GAZ

Publication

EP 3627522 A1 20200325 (EN)

Application

EP 18460058 A 20180924

Priority

EP 18460058 A 20180924

Abstract (en)

The subject of the invention is a gas insulated electrical switchgear (1) placed in an enclosure (2) and provided with at least one bushing (4) for transferring electric energy through the enclosure of the switchgear. The bushing (4) has a conductor (5) for powering the switchgear (1) and has a form of a the cooling device which is integrated in the conductor (5) of the bushing (4). The cooling device is a heat pipe filled with a working fluid (8). One end of the heat pipe forms an electrical bottom terminal (11) connected with a conductive part of the switchgear (1) whereas the other end of the heat pipe forms an electrical top terminal (12) placed outside the enclosure (1) closing the switchgear (1).

IPC 8 full level

H01B 17/54 (2006.01); **H01B 17/26** (2006.01)

CPC (source: EP)

H01B 17/54 (2013.01); **H01B 17/26** (2013.01)

Citation (applicant)

- EP 2494567 A1 20120905 - ALSTOM TECHNOLOGY LTD [CH]
- US 7253379 B2 20070807 - LAKNER MARTIN [CH], et al

Citation (search report)

- [X] DE 7728374 U1 19790329
- [X] US 4123618 A 19781031 - CUSHING GEORGE B, et al
- [X] EP 2704157 A1 20140305 - ABB TECHNOLOGY LTD [CH]
- [X] DE 102016201907 A1 20170810 - SIEMENS AG [DE]
- [A] WO 2017015889 A1 20170202 - GEN ELECTRIC [US], et al
- [A] US 3764765 A 19731009 - OLASHAW W

Designated contracting state (EPC)

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DOCDB simple family (publication)

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