

Title (en)

GAS INSULATED ELECTRIC APPARATUS WITH MEANS TO PREVENT GAS LEAKAGE

Title (de)

GASISOLIERTE ELEKTRISCHE VORRICHTUNG MIT MITTELN ZUR VERMEIDUNG VON GASLECKAGE

Title (fr)

APPAREIL ÉLECTRIQUE ISOLÉ PAR GAZ DOTÉ DE MOYEN POUR EMPÊCHER UNE FUITE DE GAZ

Publication

EP 3416178 A1 20181219 (EN)

Application

EP 17175797 A 20170613

Priority

EP 17175797 A 20170613

Abstract (en)

The present invention relates to a gas insulated electric apparatus (1) comprising an enclosure (7) and an electric high voltage appliance (9) located inside the enclosure. The enclosure (7) contains an insulation gas (8) comprising at least 70 % by volume of CO₂. The insulation gas has an elevated and pre-determined operating gas pressure level. The enclosure (7) comprises a CO₂-barrier arrangement (15) adapted to reduce the permeability of CO₂ through the enclosure wall.

IPC 8 full level

H01H 33/56 (2006.01); **H01H 33/02** (2006.01)

CPC (source: EP)

H01H 33/021 (2013.01); **H01H 33/56** (2013.01); **H01H 2033/566** (2013.01)

Citation (search report)

- [Y] EP 3171382 A1 20170524 - ABB SCHWEIZ AG [CH]
- [Y] EP 1947669 A1 20080723 - ABB RESEARCH LTD [CH]
- [Y] DE 102005047046 A1 20070405 - SIEMENS AG [DE]

Cited by

EP4024638A1; EP4142079A1; WO2022144339A1; WO2023025723A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3416178 A1 20181219

DOCDB simple family (application)

EP 17175797 A 20170613