

Title (en)

HIGH VOLTAGE ASSEMBLY AND METHOD TO OPERATE THE HIGH VOLTAGE ASSEMBLY

Title (de)

HOCHSPANNUNGSANORDNUNG UND VERFAHREN ZUM BETREIBEN DER HOCHSPANNUNGSANORDNUNG

Title (fr)

ENSEMBLE À HAUTE TENSION ET PROCÉDÉ DE FONCTIONNEMENT DE L'ENSEMBLE À HAUTE TENSION

Publication

EP 3404678 A1 20181121 (EN)

Application

EP 17171508 A 20170517

Priority

EP 17171508 A 20170517

Abstract (en)

A high voltage assembly (2) comprises: - a sealed compartment (4) containing an active component (6) at least partly surrounded by an insulation liquid (8); - a free breathing conservator (10); - a Buchholz relay (12) arranged above a level (L14) of a cover (14) of the sealed compartment (4); and a pipe arrangement (16) comprising: - a first pipe section (18) connecting the interior of the sealed compartment (4) at the cover (14) of the sealed compartment (4) to the Buchholz relay (12); and - a second pipe section (20) connecting the Buchholz relay (12) with the interior of the free breathing conservator (10) at a lower portion (22) of the free breathing conservator (10), wherein in a normal operating state (N) of the high voltage assembly (2) a hydraulic diameter of the pipe arrangement (16) is maintained constant and the level of insulation liquid in the conservator (10) is maintained below the level (L14) of the cover (14) of the sealed compartment (4).

IPC 8 full level

H01F 27/14 (2006.01); **H01F 27/40** (2006.01)

CPC (source: EP)

H01F 27/14 (2013.01); **H01F 2027/404** (2013.01)

Citation (applicant)

EP 3109871 A1 20161228 - ABB TECHNOLOGY LTD [CH]

Citation (search report)

- [IA] US 2008197955 A1 20080821 - FINDEISEN JORG [DE]
- [A] GB 693448 A 19530701 - BRITISH ELECTRIC TRANSFORMER C
- [A] FR 84247 E 19641224 - ALSTHOM CGEE
- [AD] EP 3109871 A1 20161228 - ABB TECHNOLOGY LTD [CH]

Cited by

EP3876247A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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