

Title (en)

OIL FILLED POWER BUSHING WITH PRESSURE COMPENSATION BY BELLOW

Title (de)

ÖLGEFÜLLTE LEISTUNGSBUCHSE MIT DRUCKAUSGLEICH DURCH EINEN FALTENBALG

Title (fr)

TRAVERSÉE D'ALIMENTATION REMPLIE D'HUILE AVEC COMPENSATION DE PRESSION PAR SOUFFLET

Publication

**EP 3413319 B1 20200930 (EN)**

Application

**EP 17188182 A 20170828**

Priority

EP 17174731 A 20170607

Abstract (en)

[origin: EP3413319A1] Oil filled power bushing with pressure compensation by bellow. The present invention concerns a liquid filled power bushing (1) comprising: - an insulator (11) comprising an insulator chamber (111) for receiving an insulating liquid (2); - an expansion chamber (14) communicating with the insulator chamber (111) for enabling an expansion or contraction of the insulating liquid (2); - an electrical conductor (13) located within the bushing (1) and extending through the expansion chamber (14) and the insulator chamber (111); characterized in that it further comprises a bellow (3) located inside the expansion chamber (14), the bellow (3) comprising an interior chamber (31) with variable volume, said interior chamber (31) communicating via a channel (32) with a space (4) filled with gas and located outside the expansion chamber (14) for enabling said gas to enter the interior chamber (31) in case of an expansion of the volume of the interior chamber (31) resulting from the contraction of the insulating liquid (2) and being released from said interior chamber (31) into said space in case of a contraction of the volume of the interior chamber (31) resulting from the expansion of the insulating liquid (2).

IPC 8 full level

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CPC (source: EP)

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