

Title (en)
TRANSPORTABLE POWER TRANSFORMER UNIT

Title (de)
TRANSPORTFÄHIGE LEISTUNGSTRANSFORMATOREINHEIT

Title (fr)
UNITÉ DE TRANSFORMATEUR DE PUISSANCE TRANSPORTABLE

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Abstract (en)
[origin: WO2019137623A1] The invention relates to a power transformer unit having at least one single-phase transformer (1) which is configured for connection to a high-voltage network, each single-phase transformer (1) comprising a tank (2) filled with an insulating fluid in which a core having a high- and low-voltage winding is arranged, at least one feedthrough bushing (15) which is connected to the high- or low-voltage winding by means of a winding connection cable extending inside the tank, at least one high-voltage feedthrough (16, 17, 18) which can be inserted into the feedthrough bushing (15), a cooling device (8, 9) for cooling the insulating fluid and an expansion vessel (13) which serves to compensate for temperature-induced volume fluctuations of the insulating fluid. The aim of the invention is to transport this power transformer unit as quickly as possible and to be able to put the power transformer unit into operation in situ. This aim is achieved, according to the invention, in that the expansion vessel (13) and the cooling device (8, 9) are mechanically firmly connected to the tank (2) and together with the tank and each feedthrough bushing (15) form a transport unit (25), the transport unit (25) having an external contour which lies inside a predetermined transport profile (26).

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