Title (en)

METHOD FOR DRYING A TRANSFORMER COMPRISING A MULTI-STAGE COOLING SYSTEM AND COOLING SYSTEM CONTROL FOR SUCH A TRANSFORMER

Title (de)

VERFAHREN ZUR TROCKNUNG EINES EIN MEHRSTUFIGES KÜHLSYSTEM AUFWEISENDEN TRANSFORMATORS UND KÜHLERSTEUERUNG FÜR EINEN SOLCHEN TRANSFORMATOR

Title (fr)

PROCÉDÉ DE SÉCHAGE D'UN TRANSFORMATEUR COMPORTANT UN SYSTÈME DE REFROIDISSEMENT À PLUSIEURS ÉTAGES ET COMMANDE DE REFROIDISSEMENT POUR UN TEL TRANSFORMATEUR

Publication

EP 3726547 B1 20221005 (DE)

Application

EP 19170055 A 20190418

Priority

EP 19170055 A 20190418

Abstract (en)

[origin: WO2020212133A1] Method for drying a transformer (1) which has a multistage cooling system, in particular a power transformer or a choke, comprising at least one transformer winding (3) and at least one insulating means (7) for electrical insulation, wherein the cooling stages comprise a lowest cooling stage and a highest cooling stage, wherein the individual cooling stages are each associated with a loading state range of the transformer (1) and are activated when the respective loading state range of the transformer (1) is reached, wherein the loading state range is a function which depends at least on a temperature of the transformer (1), and wherein the drying method is carried out during operation of the transformer (1). It is proposed that an upper cooling stage, which lies above the lowest cooling stage, is or remains deactivated and the cooling stage which is situated directly below the upper cooling stage is or remains activated while the transformer (1) is in the loading state range which is associated with the upper cooling stage.

IPC 8 full level

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CPC (source: EP US)

H01F 27/025 (2013.01 - US); **H01F 27/14** (2013.01 - EP US); **H01F 27/32** (2013.01 - US); **H01F 27/402** (2013.01 - EP)

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