

Title (en)
METHOD FOR REDUCING THE NOISE EMISSION OF A TRANSFORMER

Title (de)
VERFAHREN ZUR REDUKTION DER GERÄUSCHEMISSION EINES TRANSFORMATORS

Title (fr)
PROCÉDÉ DE RÉDUCTION DE L'ÉMISSION DE BRUIT D'UN TRANSFORMATEUR

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Application
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Abstract (en)
[origin: WO2011009491A1] The invention relates to a method for reducing the noise emission of a transformer, the transformer tank of which is filled with liquid and the tank wall of which vibrates during operation, characterized by the sequence of the following method steps: a.) detecting natural frequency values of the tank wall for at least one excitation frequency; b.) determining at least one eigenmode for which the vibration of the tank wall is composed at an excitation frequency, from the natural frequency values, wherein areas of large curvature are determined on the tank wall; c.) arranging at least one vibration loading device in at least one of said areas; d.) controlling the at least one vibration loading device by means of a control device in order to counteract the vibration of the tank wall.

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