

Title (en)  
SYSTEM FOR CONTROLLING A COOLING UNIT OF A TRANSFORMER

Title (de)  
SYSTEM ZUR STEUERUNG EINER KÜHLEINHEIT EINES TRANSFORMATORS

Title (fr)  
SYSTÈME DE COMMANDE D'UNE UNITÉ DE REFROIDISSEMENT D'UN TRANSFORMATEUR

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Application  
**EP 19723016 A 20190418**

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Abstract (en)  
[origin: CA3098244A1] The invention relates to a system (1) for controlling a cooling unit (3) of a transformer (2), more particularly a traction transformer of a rail vehicle (8) and a corresponding method for controlling a system (1) of this kind. The problem addressed is that of improving the efficiency and life of a transformer (2) having a cooling unit (3). To solve this problem, the system (1) according to the invention comprises a transformer (2), a cooling unit (3), which is configured to cool the transformer (2), and a control unit (4), which is configured to control the cooling unit (3) for cooling the transformer (2). The control unit (4) is configured to control the cooling unit (3) using measurement data representing at least one state of the system (1) and/or using environmental data in expectation of a change in the temperature of the transformer (2) as a result of the utilisation of the transformer (2) and/or as a result of environmental influences. This prevents the transformer (2) from overheating, thereby increasing the efficiency and life of the transformer (2).

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