

Title (en)
SYSTEM FOR COOLING COMPONENTS OF WIND POWER STATIONS

Title (de)
ANORDNUNG ZUR KÜHLUNG VON KOMPONENTEN VON WINDKRAFTANLAGEN

Title (fr)
DISPOSITIF DE REFROIDISSEMENT DE COMPOSANTS D'INSTALLATIONS EOLIENNES

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Application
EP 05752462 A 20050513

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Abstract (en)
[origin: WO2005124799A2] The invention relates to a system which utilizes the flow of a medium for cooling an installation, especially a transformer. The invention utilizes the fact that the flow of the medium, e.g. wind, automatically increases with increasing load of the transformer. The inventive transformer is designed in such a manner that its outer shape and the cooling elements are impinged upon by the natural air flow to a maximum degree. For this purpose, the cooling elements across their length are adapted to have a large cross-sectional area for the flowing medium. The depth of the cooling elements is chosen such that the flow resistance is not too high and so as to achieve a turbulent flow of the cooling air. Distance and arrangement of the cooling elements are chosen such that the transformer tank itself is reached by the flowing medium and serves for cooling.

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