

Title (en)

COOLING OF AN AXIAL END REGION OF A STATOR IN A ROTATING ELECTRICAL MACHINE

Title (de)

KÜHLUNG EINES AXIALEN ENDBEREICHS EINES STATORS EINER ROTIERENDEN ELEKTRISCHEN MASCHINE

Title (fr)

REFROIDISSEMENT D'UNE ZONE TERMINALE AXIALE DE STATOR D'UNE MACHINE ÉLECTRIQUE TOURNANTE

Publication

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Application

**EP 15788393 A 20151030**

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Abstract (en)

[origin: WO2016078895A2] The invention relates to an arrangement for cooling at least one axial end region of a stator in a rotating electrical machine, more particularly a generator, having: - at least one annular chamber which can be disposed on the radially outer periphery of at least one portion of the axial end region having at least one radial cooling duct, and which on the radially inner part towards the axial end portion is at least partially open and can thus be communicatingly connected to the radial cooling duct, and which is sealed with respect to the axial end region; and - at least one low-pressure line which is communicatingly connected to the annular chamber, and via which the annular chamber can be communicatingly connected to a low-pressure chamber in the rotating electrical machine which, relative to a flow of cooling fluid that can be created by a shaft-mounted fan on a rotor in the rotating electric machine, is upstream of the shaft-mounted fan.

IPC 8 full level

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