

Title (en)

ROTATING ELECTRIC MACHINE PROVIDED WITH A COOLING CHAMBER

Title (de)

ELEKTRISCHE DREHMASCHINE MIT KÜHLKAMMER

Title (fr)

MACHINE ELECTRIQUE TOURNANTE MUNIE D'UNE CHAMBRE DE REFROIDISSEMENT

Publication

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Application

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Abstract (en)

[origin: WO2020245122A1] The invention relates mainly to a rotating electric machine (10), in particular for a motor vehicle, comprising: - a stator (11) comprising a stator body (33) and a winding (34), the stator body (33) comprising a yoke (37) and teeth from an inner periphery of the yoke (37), - at least one bearing (16) provided with a housing (17) intended to receive a means for guiding the rotation (19) of a shaft (13), and - a cooling chamber (41) which is arranged around the stator body (33) and in which a cooling liquid circulates, - at least one outer portion (37.2) of the yoke (37) is made of a magnetic composite material, the cooling chamber (41) being defined at least in part by, on the one hand, an outer periphery of the yoke (37) of the stator body (33) and, on the other hand, by an inner periphery of the bearing (16).

IPC 8 full level

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Citation (search report)

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