

Title (en)

ELECTRIC MOTOR PROVIDED WITH A COOLING CIRCUIT

Title (de)

ELEKTROMOTOR MIT KÜHLKREISLAUF

Title (fr)

MOTEUR ÉLECTRIQUE ÉQUIPÉ D'UN CIRCUIT DE REFROIDISSEMENT

Publication

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Application

EP 21710544 A 20210218

Priority

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Abstract (en)

[origin: WO2021176158A1] The invention relates to an electric motor (1) comprising a rotor (11) mounted on a shaft (12), a stator (13) arranged around the rotor (11), a front bearing (14) and a rear bearing (15) connected to each other by attachment means (21), the front and rear bearings (14, 15) forming an internal cavity housing the rotor (11) and the stator (13), characterised in that the electric motor (1) further comprises a bell-shaped thermal insulation cover (20) completely covering the rear bearing (15) and a portion (142) of the front bearing (14), extending axially from an end face (141) of the front bearing (14), the thermal insulation cover (20) forming, with the front bearing (14), at least one inner fluid circulation channel (9) inside which a coolant flows.

IPC 8 full level

H02K 5/08 (2006.01); **H02K 5/20** (2006.01); **H02K 9/19** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2021176158A1

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