

Title (en)

ELECTRIC MOTOR AND METHOD FOR OPERATING AN ELECTRIC MOTOR

Title (de)

ELEKTRISCHER MOTOR UND VERFAHREN ZUM BETRIEB EINES ELEKTRISCHEN MOTORS

Title (fr)

MOTEUR ÉLECTRIQUE ET PROCÉDÉ POUR FAIRE FONCTIONNER UN MOTEUR ÉLECTRIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2021250108A1] The invention relates to an electric motor (1), comprising at least a stator (2), which extends between a first end face (3) and a second end face (4) along an axial direction (5) and has an annular yoke (6) on the first end face (3) and starting from the yoke (6) a plurality of cores (7), which each extend along the axial direction (5) over a first length (8) to the second end face (4) and are arranged adjacent to one another along a circumferential direction (9), wherein a coil (10) is arranged on each core (7), which coil extends starting from the yoke (6) along the axial direction (5) over a second length (11) toward the second end face (4), wherein the second length (11) is shorter than the first length (8), so that a portion (12) of each core (7) extends along the axial direction (5) beyond the coil (10) concerned; wherein the motor (1) additionally comprises at least one first rotor (13) which is arranged, at least on the second end face (4) along the axial direction (5) between the coils (10) and the second end face (4).

IPC 8 full level

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