

Title (en)

ROTATING ELECTRICAL MACHINE ROTOR WITH IMPROVED CONFIGURATION

Title (de)

ROTIERENDER ELEKTRISCHER MASCHINENROTOR MIT VERBESSERTER KONFIGURATION

Title (fr)

ROTOR DE MACHINE ÉLECTRIQUE TOURNANTE A CONFIGURATION AMÉLIORÉE

Publication

EP 3580834 A1 20191218 (FR)

Application

EP 18707111 A 20180214

Priority

- FR 1751527 A 20170227
- FR 2018050355 W 20180214

Abstract (en)

[origin: WO2018154218A1] The invention mainly relates to a rotor (12) of an electrical machine characterised in that: - each tooth (35) comprises at least two connecting arms (42) to the hub (32); - each arm (42) comprises a covering part with a permanent magnet (39) corresponding to a part of the arm (42) facing the permanent magnet (39) and in that this covering part has a radial length (Hu) and an orthoradial thickness (e); and - a ratio between the radial length (Hu) and the orthoradial thickness (e) is between 1.8 Tesla divided by the value of the remnant induction of the corresponding permanent magnet (39) and 2.16 Tesla divided by the value of the remnant induction of the corresponding permanent magnet (39).

IPC 8 full level

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Citation (search report)

See references of WO 2018154218A1

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