

Title (en)
ROTOR WITH PERMANENT MAGNETS

Title (de)
ROTOR MIT PERMANENTMAGNETEN

Title (fr)
ROTOR A AIMANTS PERMANENTS

Publication
EP 3028368 A2 20160608 (FR)

Application
EP 14750573 A 20140716

Priority
• FR 1357484 A 20130729
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Abstract (en)
[origin: WO2015015084A2] The invention concerns a rotor (1) with permanent magnets comprising: - a stack of laminations forming the core (3) of the rotor (1) having an axis (X), - housings (9) spaced evenly apart on the circumference of the rotor (1) and located in the core (3) of the rotor (1), some of which receive at least one element in the form of a permanent magnet (14) held radially and axially inside the housing (9) between an inner axial part (91a) of the housing and an outer axial part (91b), said inner axial part (91a) of the housing comprising two concave portions (42) and a protruding portion (41) extending axially according to the axis (X), said protruding portion (41) being radially closer to the inner axial face (15) of the magnet (14) than the two concave portions (42). Moreover, recesses (5) are provided in the core (3) and positioned between the housings (9) on a trajectory successively linking the protruding portions (41) of consecutive housings (9).

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H02K 1/27 (2006.01)

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Citation (search report)
See references of WO 2015015084A2

Citation (examination)
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• US 2007252469 A1 20071101 - NISHIURA HIDEAKI [JP], et al
• DE 102011080948 A1 20130221 - BOSCH GMBH ROBERT [DE]
• US 2012326548 A1 20121227 - NONAKA TUYOSHI [JP]

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