

Title (en)
ROTATING ELECTRICAL MACHINE COMPRISING MAGNET HOLDING ELEMENTS

Title (de)
ELEKTRISCHE DREHMASCHINE MIT MAGNETHALTEELEMENTEN

Title (fr)
MACHINE ÉLECTRIQUE TOURNANTE COMPORTANT DES ÉLÉMENTS DE MAINTIEN D'AIMANTS

Publication
EP 3560074 A1 20191030 (FR)

Application
EP 17829234 A 20171218

Priority
• FR 1663049 A 20161221
• FR 2017053646 W 20171218

Abstract (en)
[origin: WO2018115678A1] A rotating electrical machine comprising a rotor (1) mounted on a shaft, the rotor (1) being designed to be rotated with respect to the stator, the rotor (1) comprising: longitudinal cavities for receiving at least one permanent magnet (10) and forming magnetic poles of the rotor (1), each pole being formed by two adjacent cavities having a V-shaped or U-shaped profile in a plane orthogonal to the axis (2) in which the shaft of the electrical machine is located; a spring (12) comprising two arms (120, 120') connected to a connection portion (123) and forming an axial stop, the two arms (120, 120') being inserted in each of the cavities of a pole in order to exert a force holding the magnets (10) on the outer edge of the rotor (1).

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 2018115678A1

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