

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)  
**H02K 1/2766** (2013.01); **H02K 15/03** (2013.01); **H02K 1/28** (2013.01)

Citation (search report)  
See references of WO 2018115678A1

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**FR 1663049 A 20161221**; CN 201780079681 A 20171218; EP 17829234 A 20171218; FR 2017053646 W 20171218