

Title (en)
ROTARY ELECTRIC MOTOR HAVING CONCENTRIC ANNULAR MEMBERS

Title (de)
ELEKTRISCHER DREHMOTOR MIT KONZENTRISCHEN RINGFÖRMIGEN GLIEDERN

Title (fr)
MOTEUR ELECTRIQUE ROTATIF A ELEMENTS ANNULAIRES CONCENTRIQUES

Publication
EP 1490953 A1 20041229 (EN)

Application
EP 02807181 A 20020329

Priority
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Abstract (en)
[origin: WO03085807A1] A rotary electric motor in which rotor and stator members are each configured as annular rings, concentric with respect to each other, about an axis of rotation. Either of the rotor or stator members is formed of groups of electromagnet poles, the groups substantially equidistantly distributed along the angular extent of the annular ring, each of the groups comprising magnetic material magnetically isolated and separated from the other groups. The other member comprises a plurality of permanent magnet poles substantially equidistantly distributed with alternating magnetic polarity along the angular extent of the radial air gap formed between the members, the permanent magnet poles having a common magnetic return path.

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IPC 8 full level
H02K 1/14 (2006.01); **H02K 1/22** (2006.01); **H02K 7/14** (2006.01); **H02K 11/21** (2016.01); **H02K 11/225** (2016.01); **H02K 15/02** (2006.01); **H02K 21/14** (2006.01); **H02K 21/22** (2006.01); **H02K 21/26** (2006.01); **H02K 29/03** (2006.01)

CPC (source: EP KR)
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