

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

US 0209624 W 20020329

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.

IPC 1-7

**H02K 29/03**; **H02K 1/14**

IPC 8 full level

**H02K 1/14** (2006.01); **H02K 1/22** (2006.01); **H02K 7/14** (2006.01); **H02K 11/00** (2006.01); **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)

**H02K 7/14** (2013.01 - EP); **H02K 21/12** (2013.01 - KR); **H02K 21/14** (2013.01 - KR); **H02K 21/22** (2013.01 - EP); **H02K 21/26** (2013.01 - EP); **H02K 29/03** (2013.01 - EP)

Citation (search report)

See references of WO 03085807A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 03085807 A1 20031016**; AU 2002367852 A1 20031020; BR 0215671 A 20050201; CA 2477430 A1 20031016; CA 2477430 C 20061205; CN 1623268 A 20050601; EP 1490953 A1 20041229; IL 163700 A0 20051218; JP 2005522174 A 20050721; KR 100712339 B1 20070502; KR 20040104543 A 20041210; MX PA04009311 A 20050125

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