

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 April 2003 (10.04.2003)

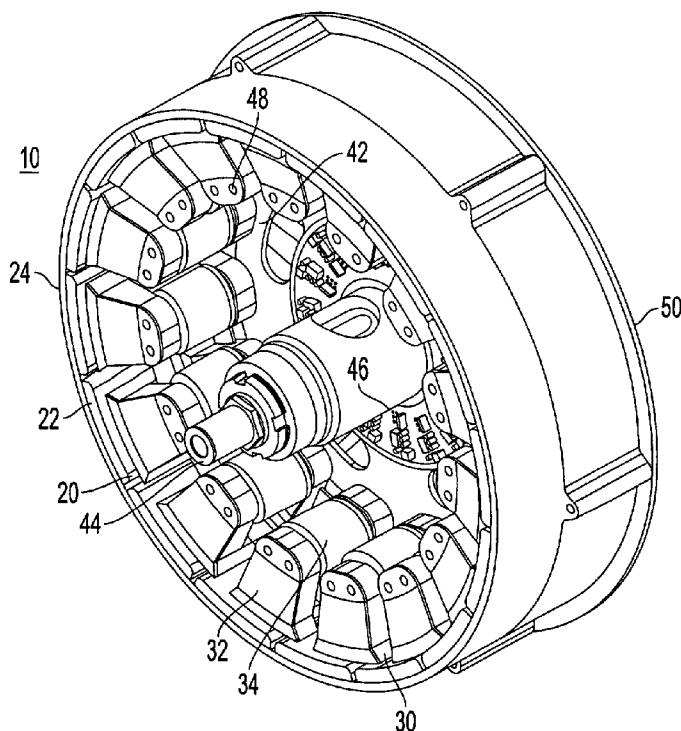
PCT

(10) International Publication Number
WO 03/030333 A2

- (51) International Patent Classification⁷: **H02K**
- (21) International Application Number: PCT/US02/30066
- (22) International Filing Date:
24 September 2002 (24.09.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/966,101 1 October 2001 (01.10.2001) US
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: ROTARY ELECTRIC MOTOR HAVING AXIALLY ALIGNED STATOR POLES AND/OR ROTOR POLES



(57) Abstract: A rotary electric motor comprises a rotor having a plurality of permanent magnet elements disposed in an annular ring configuration about an axis of rotation, the magnet elements successively alternating in magnetic polarity along an inner annular surface, and a stator spaced from the rotor by a radial air gap. The stator includes a plurality of magnetic core segments having respective coils wound thereon to form stator windings, the core segments separated from direct contact with each other and disposed along the radial air gap. Each stator segment comprises a pair of poles aligned with each other in a direction parallel to the axis of rotation. Thus the stator comprises a first set of stator poles in radial alignment and an axially displaced second set of stator poles in radial alignment.



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Published:

— without international search report and to be republished upon receipt of that report

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