

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/086330 A1

(51) International Patent Classification⁷: **H02K 49/02**

(21) International Application Number:
PCT/US2005/006179

(22) International Filing Date: 26 February 2005 (26.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/790,571 1 March 2004 (01.03.2004) US

(71) Applicant (for all designated States except US): **FLUX DRIVE, INC.** [US/US]; 6716 Eastside Drive N.E., Suite 6, Tacoma, WA 98422 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CORBIN, Philip, III** [US/US]; 6123 Panorama Drive NE, Tacoma, WA 98422 (US). **DAHLIN, Robert, L.** [US/US]; 9505 203rd

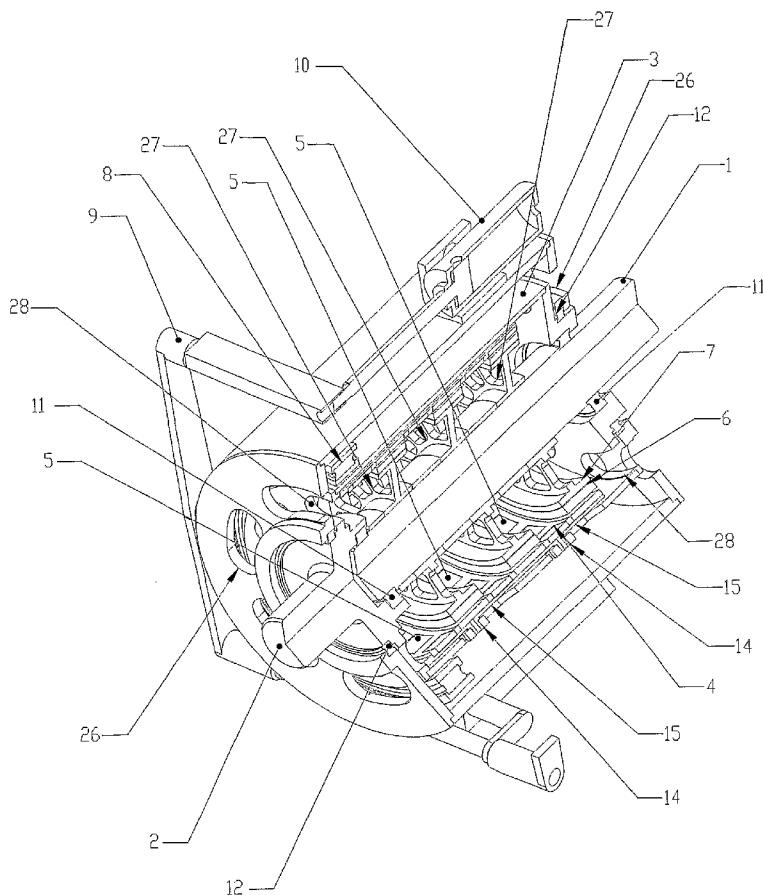
Avenue East, Summer, WA 98390 (US). **MOLNAR, John, A.** [US/US]; 9064 NE 33rd Street, Bellevue, WA 98004 (US). **RUSCONI, John, B.** [US/US]; 8164 Via Zapata, Dublin, CA 94568 (US). **STRONG, Walter, F.** [US/US]; 200 Hudson Road, Sudbury, MA 01776 (US).

(74) Agent: **MILLER, Steven, J.**; The Miller Law Offices, PLC, 801 Brickell Avenue-Suite 900, Miami, FL 33131 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: AN APPARATUS FOR TRANSFERRING TORQUE MAGNETICALLY



(57) Abstract: An apparatus (Figure 7) for transferring torque magnetically with a primary rotary member (122) driven by a drive member (124) and a secondary rotary member (120) driven by the primary member by magnetic interaction between the two members. The axial position of the two can be changed.

WO 2005/086330 A1



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

Published:

— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.