



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : H02K 1/18, 1/14, 15/02, 29/08, 11/04, 5/10	A1	(11) International Publication Number: WO 00/57536 (43) International Publication Date: 28 September 2000 (28.09.00)
(21) International Application Number: PCT/US00/08039 (22) International Filing Date: 27 March 2000 (27.03.00) (30) Priority Data: 09/276,185 25 March 1999 (25.03.99) US (71) Applicant: GENERAL ELECTRIC COMPANY [US/US]; 1 River Road, Schenectady, NY 12345 (US). (72) Inventors: HOLLENBECK, Robert, Keith; 12212 Amber Ridge Drive, Fort Wayne, IN 46804 (US). BOBAY, Dennis, Patrick; 2829 East 700 North, Ossian, IN 46777 (US). GRIMM, James, Everett; 4017 Blythewood Place, Fort Wayne, IN 46835 (US). THOMPSON, Gregory, Alan; 6536 Hillsboro Lane, Fort Wayne, IN 46835 (US). HALL, Jeffrey, A.; 9230 Timber Line Court, Fort Wayne, IN 46804 (US). GOLM, Norman, C., Jr.; 8609 Brookline Court, Fort Wayne, IN 46835 (US). (74) Agents: CHASKIN, Jay, L. et al.; General Electric Company, 3135 Easton Turnpike W3C, Fairfield, CT 06431 (US).		(81) Designated States: CA, CN, CZ, HU, IN, MX, PL, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: ELECTRIC MOTOR WITH STATOR CORE AND DISTINCT POLE PIECES AND ASSEMBLY METHOD (57) Abstract An electric motor having a snap-together construction without the use of separate fasteners. The construction of the motor removes additive tolerances for a more accurate assembly. The motor is capable of programming and testing after final assembly and can be non-destructively disassembled for repair or modification. The motor is constructed to inhibit the ready entry of water into the motor housing and to limit the effect of any water which manages to enter the housing. 		