

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 December 2003 (04.12.2003)

PCT

(10) International Publication Number
WO 2003/100955 A3

(51) International Patent Classification⁷: **H02K 3/04**, 17/16

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(21) International Application Number:

PCT/US2003/016439

(22) International Filing Date: 23 May 2003 (23.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

10/155,571 24 May 2002 (24.05.2002) 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, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

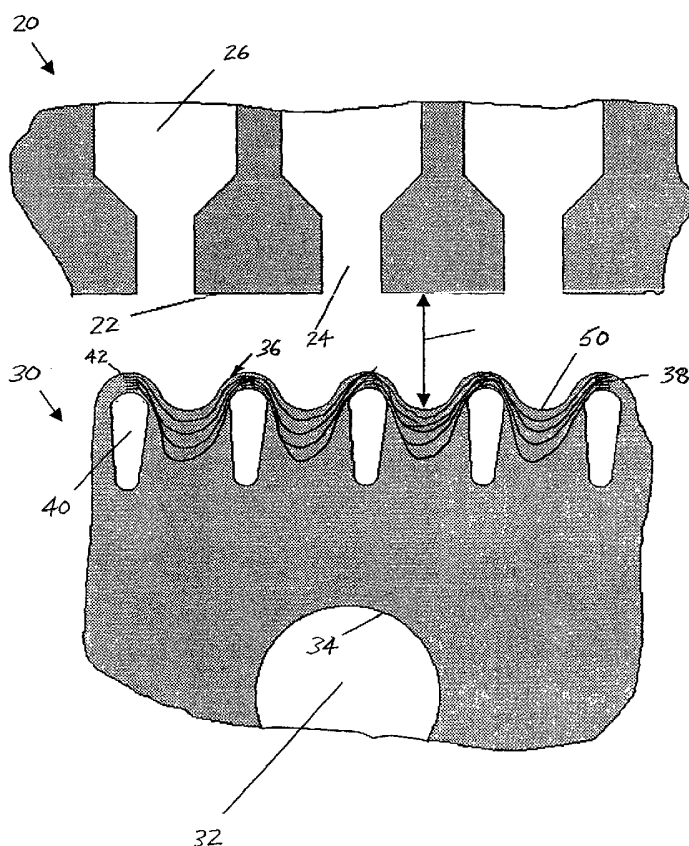
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ,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

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[Continued on next page]

(54) Title: INDUCTION MOTOR AND METHOD OF PROVIDING AXIAL FLOW IN A SUBMERGED INDUCTION MOTOR



(57) Abstract: A motor having a rotor with a plurality of grooves extending generally longitudinally along an outer surface of the rotor. A cross-sectional shape of the rotor outer surface generally corresponds to the shape of an outer boundary of a flux pattern that is developed in the rotor during operation. A plurality of slots extend longitudinally along the same general direction as the grooves and are positioned in a spaced relationship to the outer surface of the rotor and the grooves. The grooves and/or slots extend in a skewed or generally helical direction along the length of the rotor to enhance pumping action.



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

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.

(88) Date of publication of the international search report:

22 January 2004

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/16439

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H02K 3/04, 17/16

US CL : 310/210, 211

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 310/210, 211, 87

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2,781,465 A (Schuff) 12 February 1957 (12.03.1957), columns 2-4.	1-10 and 12-15
X	US 3,521,098 A (Jesse) 21 July 1970 (21.07.1970), column 2.	1, 4, 7 and 11
A	US 3,597,646 A (Peter et al) 03 August 1970 (03.08.1970).	



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See patent family annex.

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Date of the actual completion of the international search

15 October 2003 (15.10.2003)

Date of mailing of the international search report

20 NOV 2003

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
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Alexandria, Virginia 22313-1450

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