

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 May 2007 (10.05.2007)

PCT

(10) International Publication Number
WO 2007/051272 A1

(51) International Patent Classification:
F04B 39/00 (2006.01)

(21) International Application Number:
PCT/BR2006/000242

(22) International Filing Date:
1 November 2006 (01.11.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PI 0504921-0 4 November 2005 (04.11.2005) BR

(71) Applicant (for all designated States except US):
WHIRLPOOL S.A. [BR/BR]; Avenida das Nações
Unidas, 12.995 - 32º andar - Brooklin Novo, 04578-000
São Paulo - SP (BR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PROVESSI, Salvio**
[BR/BR]; Rua João Fernandes Braga, 240, 89227-620
Joinville - SC (BR). **RAMSDORF, Roberto** [BR/BR];
Rua Hans Jordan, 11, 89208-000 Joinville - SC (BR).

(74) Agents: **ARNAUD, Antonio M.P.** et al.; Rua José Bonifácio,
93 - 9th floor, 01003-901 São Paulo - SP (BR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

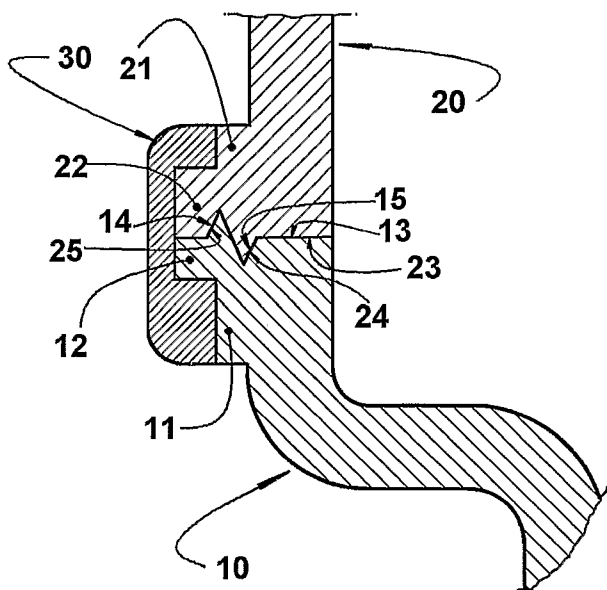
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, 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).

Published:

- with international search report
- with amended claims

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.

(54) Title: ACOUSTIC MUFFLER FOR A HERMETIC COMPRESSOR



(57) Abstract: Acoustic muffler for a hermetic compressor, comprising: a hollow base (10); a cover (20) to be coupled to the hollow base (10), said parts of hollow base (10) and cover (20) including respective peripheral flanges (11, 21) to be mutually seated according to a seating plane; and a retention means (30), attaching the hollow base (10) to the cover (20) at the junction of said peripheral flanges (11, 21), each peripheral flange (11, 21) presenting a respective seating surface (12, 23) provided with at least one recess (15, 25) and one rib (14, 24) radially adjacent and which are shaped to respectively complement one rib (14, 24) and one recess (15, 25) of the seating surface (13, 23) of the other peripheral flange (11, 21), each rib (14, 24) and recess (15, 25) being continuous and provided to define a locking between the parts of hollow base (10) and cover (20) against relative spacing apart movements in said seating plane, and to define continuous sealing radial labyrinths between the interior and the exterior of the acoustic muffler, at the junction of said peripheral flanges (11, 21).