



(43) International Publication Date
18 May 2012 (18.05.2012)

- (51) International Patent Classification:
B04B 7/12 (2006.01) *B04B 1/00* (2006.01)
- (21) International Application Number:
PCT/DK2011/050424
- (22) International Filing Date:
10 November 2011 (10.11.2011)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
PA 2010 70483 12 November 2010 (12.11.2010) DK
- (71) Applicant (for all designated States except US): **ALFA LAVAL CORPORATE AB** [SE/SE]; Box 73, S-221 00 Lund (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **LENDZIAN, Willi B.** [DK/DK]; Viggo Barfoeds Alle 13, DK-2750 Ballerup (DK). **SVARRER, Hans Lauge Joakim** [DK/DK]; Esrum Hovedgade 3, DK-3230 Græsted (DK). **REIFF, Henrik** [DK/DK]; Syrenvænget 21, DK-3520 Farum (DK).

(74) Agents: **JØRGENSEN, Bjørn Barker** et al.; Awapatent A/S, Rigersgade 11, DK-1316 København K (DK).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: A CENTRIFUGAL SEPARATOR, WEAR RESISTANCE MEMBER AND SET OF WEAR RESISTANCE MEMBERS FOR A CENTRIFUGAL SEPARATOR

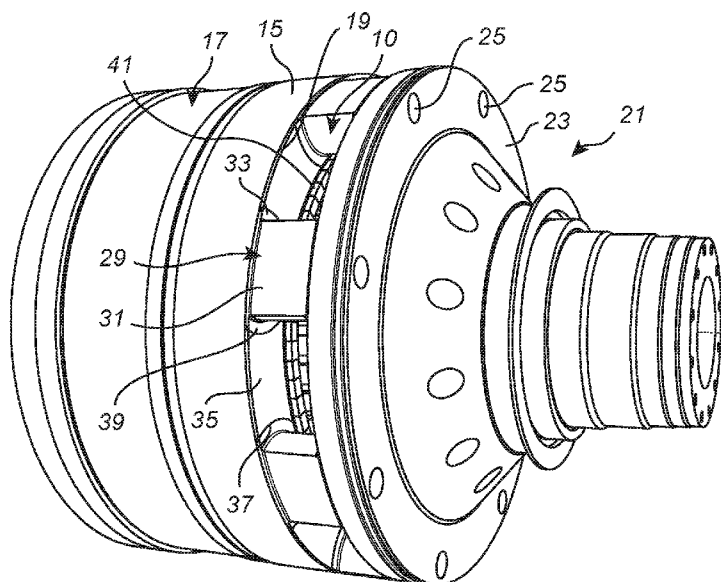


Fig. 2

(57) Abstract: A centrifugal separator comprises a bowl with a conical part (17) with a narrow discharge end (15) comprising a radial surface (19); an end member (21) opposite the radial surface; a number of distance members extending between the radial surface (19) and the end member (21) and providing outlet openings (10) between adjacent distance members (27); and wear resistance members covering surfaces at the outlet openings, wherein the wear resistance members comprise bushing members (29) with mantle portions (31) surrounding respective distance members (27).

**Declarations under Rule 4.17:**

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

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

7 September 2012

Published:

- *with international search report (Art. 21(3))*