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(21) International Application Number: PCT/SE96/01463 (22) International Filing Date: 13 November 1996 (13.11.96) (30) Priority Data: 9504100-0 17 November 1995 (17.11.95) SE (71) Applicant (for all designated States except US): ALFA LAVAL AB [SE/SE]; Hans Stahles väg, S-147 80 Tumba (SE). (72) Inventor; and (75) Inventor/Applicant (for US only): BJÖRKSTRÖM, Rolf [SE/SE]; Tröskverksvägen 62, S-125 34 Älvsjö (SE). (74) Agent: CLIVEMO, Ingemar; Alfa Laval AB, S-147 80 Tumba (SE).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: ROTOR FOR CENTRIFUGAL SEPARATOR WITH SOUND DAMPING RADIAL OPENINGS		
(57) Abstract Rotor for a centrifugal separator, which rotor (1) during operation rotates in a space (4) and inside itself forms a chamber (12) and a passage (7), which extends radially outwardly from the chamber (12) to the outside of the rotor (1). In order to accomplish at low costs such a rotor (1), in which gas present in the chamber (12) and in the passage (7) does not generate sound, the passage (7) in the rotor is designed with a radially outer portion (13), which extends radially inwardly from the outside of the rotor (1), and which has a cross section perpendicular to the central axis of the passage (7), which in a plane perpendicular to the rotation axis through the central axis has an extension, which continuously decreases by the distance from the outside of the rotor (1) to a radially inner cross section, which has a certain extension in this plane and from the outside of the rotor (1) is located at a distance along the central axis, which at least is one third of the extension of the radially inner cross section in said plane, and that the extension of the cross section of the passage (7) at the outside of the rotor (1) in the plane is between four and nine thirds of the extension of the radially inner cross section in said plane. 		