



(51) International Patent Classification:
B04B 1/20 (2006.01) **B04B 7/08** (2006.01)

(21) International Application Number:
PCT/DK2010/050135

(22) International Filing Date:
11 June 2010 (11.06.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2009 70028 12 June 2009 (12.06.2009) DK

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(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, RO, RS, RU, 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, 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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

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

Published:

— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) Title: A DECANTER CENTRIFUGE AND A SCREW CONVEYOR

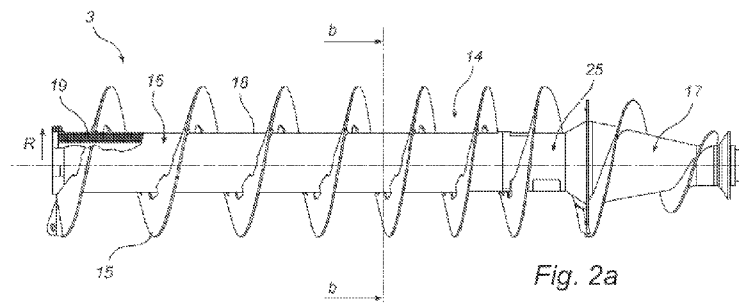


Fig. 2a

(57) Abstract: A decanter centrifuge for separating a supplied material in a light phase and a heavy phase comprising an elongate bowl arranged for rotation about its longitudinal axis, the bowl having a separation chamber with a circumferential wall, a screw conveyor (3) being provided in the separation chamber and being coaxial with the bowl, the screw conveyor comprising a conveyor hub (14). The conveyor hub comprises a longitudinal tubular steel body part (18) and a helical steel conveyor flight (15) attached to the tubular steel body part. The conveyor hub further comprises an inner longitudinal body extending coaxially relative to the longitudinal tubular steel body part. The inner longitudinal body (19) is extending through at least a part of the tubular steel body and is made of a first material, such as carbon fibre reinforced epoxy, whose specific modulus is larger than specific modulus of the steel material of the tubular steel body part.