



(51) International Patent Classification:

B07B 13/10 (2006.01) **B07B 13/16** (2006.01)
B07B 13/11 (2006.01)

(21) International Application Number:

PCT/NL2011/050515

(22) International Filing Date:

15 July 2011 (15.07.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10171151.3 28 July 2010 (28.07.2010) EP

(71) Applicant (for all designated States except US): **INASH-CO R&D B.V.** [NL/NL]; Stevinweg 1, NL-2628 CN Delft (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BERKHOUT, Simon Peter Maria** [NL/NL]; Molensingel 117, NL-2614 LC Delft (NL). **REM, Peter Carlo** [NL/NL]; Jaagpad 5B, NL-2288 AB Rijswijk (NL).

(74) Agent: **VAN BREDA, Jacques**; Weteringschans 96, NL-1017 XS Amsterdam (NL).

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

Published:

— with international search report (Art. 21(3))

(54) Title: SEPARATION APPARATUS

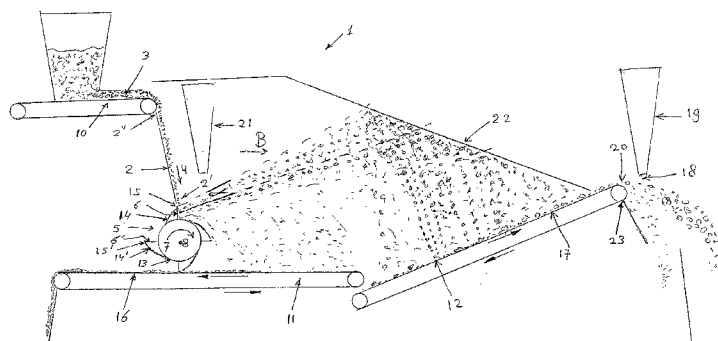


FIG. 1

(57) Abstract: A separation - apparatus for separating from a particle - stream at least a first fraction with particles of a first group of dimensions, and a second fraction with particles of a second group of dimensions, comprising an infeed- device (2, 10) for the particle- stream, a rotatable drum (5) having at its circumference plates (6, 6), each plate having a radially extending hitting surface for the particles, at least a first receiving area (11) proximal to the drum for receipt therein of particles of the first fraction, and at least a second receiving area (12) distant from the drum for receipt therein of particles of the second fraction, wherein a conveyor (17) in the second receiving area (12) moves during use at a speed of at least 2 m/s.