

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/085142 A1

(51) International Patent Classification⁷: **C02F 11/00**,
1/58, 1/68, 1/42, B09C 1/08, E01H 12/00, 15/00, C01B
33/38, 33/40

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(21) International Application Number:
PCT/AU2005/000332

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(22) International Filing Date: 9 March 2005 (09.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004901229 10 March 2004 (10.03.2004) AU
200410035210.0 30 March 2004 (30.03.2004) CN

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

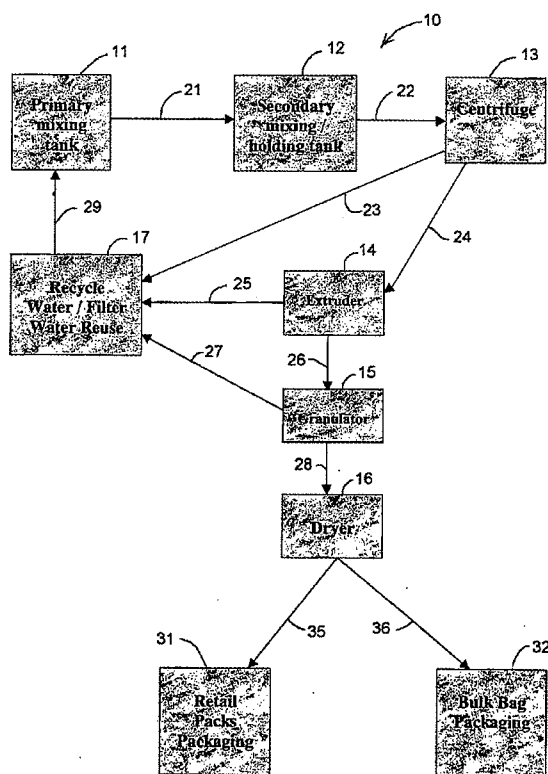
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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: **IMPROVED MODIFIED SUBSTRATE FOR REMOVING AQUEOUS OXYANIONS**



(57) Abstract: A modified substrate for removing aqueous oxyanions formed by: selecting a substrate from minerals or mineral equivalents having a naturally moderate to high cation exchange capacity; forming a substrate modifier from salts of the Group IIIB and Group IVB elements by dissolving one or more of the salts in water at an elevated temperature; and blending the substrate with the substrate modifier at a high shear rate.

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