

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 April 2008 (10.04.2008)

PCT

(10) International Publication Number
WO 2008/040094 A1

(51) International Patent Classification:

A61K 9/00 (2006.01) A61K 9/14 (2006.01)
A61K 31/00 (2006.01) B01J 2/02 (2006.01)
B01J 2/04 (2006.01)

(74) Agent: SPRUSON & FERGUSON; GPO Box 3898, Sydney, NWS 2001 (AU).

(21) International Application Number:

PCT/AU2007/001515

(22) International Filing Date: 5 October 2007 (05.10.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

2006905571 6 October 2006 (06.10.2006) AU

(71) Applicant (for all designated States except US): **NEW-SOUTH INNOVATIONS PTY LIMITED** [AU/AU]; Rupert Myers Building, Gate 14 Barker Street, University of New South Wales, NSW 2052 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FOSTER, Neil, Russell** [SG/AU]; 99 Killeaton Street, St Ives, New South Wales 2075 (AU). **PENG TZE SIH, Roderick** [AU/AU]; Unit 773, 83-93 Dalmeny Avenue, Rosebery, NSW 2018 (AU).

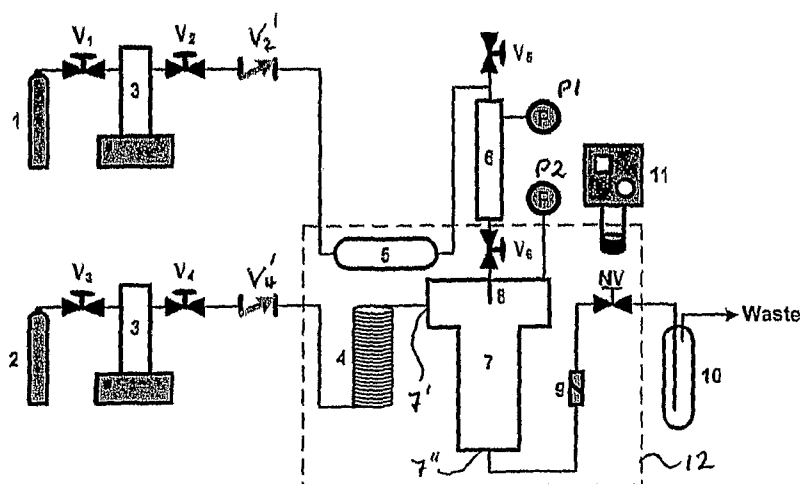
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(54) Title: PARTICLE FORMATION



(57) Abstract: A process for producing particles of a substance is described wherein a solution of the substance in a solvent is delivered in at least one shot into a supercritical fluid. The supercritical fluid is a non-solvent for the substance and is miscible with the solvent. Particles of the substance distributed in a mixture of the solvent and the supercritical fluid are formed.