

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 January 2009 (22.01.2009)

PCT

(10) International Publication Number
WO 2009/010739 A1

(51) International Patent Classification:
C08J 3/12 (2006.01) *F26B 5/06* (2006.01)

W. [US/US]; 18 Spring Meadow Drive, Downingtown, PA 19335 (US). **GINES, Joel** [GB/GB]; 20 Bankes Lanes, Runcorn WA7 4LN (GB).

(21) International Application Number:
PCT/GB2008/002414

(74) Agent: **REES, David, Christopher**; Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ (GB).

(22) International Filing Date: 15 July 2008 (15.07.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0713893.6 17 July 2007 (17.07.2007) GB

(71) Applicant (for all designated States except US): **WHITFORD PLASTICS LIMITED** [GB/GB]; 10 Christleton Court, Manor Park, Runcorn, Cheshire WA7 1ST (GB).

(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, 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, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(72) Inventors; and

(75) Inventors/Applicants (for US only): **COATES, Michael** [US/US]; 112 Ironstone Lane, Elverson, PA 19520 (US). **WHITLOW, Robert, Iain** [GB/GB]; 17 Fletcher Street, Warrington, Cheshire WA4 6PY (GB). **GINES, Joel** [GB/GB]; 20 Bankes Lanes, Runcorn WA7 4LN (GB). **WRIGHT, Julie, K.** [GB/GB]; 31 Kennington Park, Widnes WA8 9PE (GB). **MELVILLE, Andrew, J.** [GB/GB]; 5 Rake House Mews, Lower Rake Lane, Helsby WA6 0AL, Cheshire (GB). **HARVEY, Leonard,**

(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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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: METHOD FOR THE PREPARATION OF FLUOROPOLYMER POWDERED MATERIALS

(57) Abstract: A method for the preparation of a modified fluoropolymer powdered material is disclosed. A suspension of solid fluoropolymer particles together with SiC particles in an aqueous carrier, is frozen and the frozen carrier is then removed by sublimation at sub-atmospheric pressure to produce a dry powder of modified fluoropolymer particles.

WO 2009/010739 A1