



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C08F 291/18, B01D 67/00, C08F 259/08, 259/02, 255/02	A1	(11) International Publication Number: WO 00/15679 (43) International Publication Date: 23 March 2000 (23.03.00)
(21) International Application Number: PCT/GB99/02868 (22) International Filing Date: 1 September 1999 (01.09.99) (30) Priority Data: 09/153,458 15 September 1998 (15.09.98) US (71) Applicant (for all designated States except US): NATIONAL POWER PLC [GB/GB]; Windmill Hill Business Park, Whitehill Way, Swindon, Wiltshire SN5 6PB (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): D'AGOSTINO, Vincent, F. [US/US]; 2 Deanne Court, Dix Hills, NY 11746 (US). NEWTON, John, Michael [GB/GB]; Thornwood, Devizes Road, Box, Nr Corsham, Wiltshire SN13 8EG (GB). (74) Agent: BOULT WADE TENNANT; 27 Fumival Street, London EC4A 1PQ (GB).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: WATER BASED GRAFTING		
(57) Abstract A process for the preparation of a monomer-grafted cross-linked polymer comprising the steps of: i) activating the polymer by irradiation; ii) quenching the activated polymer so as to effect cross-linking therein; iii) activating the cross-linked polymer by irradiation; iv) contacting the activated cross-linked polymer with an emulsion which comprises: a) an unsaturated monomer; b) an emulsifier; and c) water, for a time sufficient to effect the desired extent of grafting.		