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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 February 2006 (16.02.2006)

PCT

(10) International Publication Number
WO 2006/017716 A3

(51) International Patent Classification:
C08F 265/04 (2006.01) *A61L 15/00* (2006.01)
C08L 51/00 (2006.01)

(21) International Application Number:
PCT/US2005/027851

(22) International Filing Date: 4 August 2005 (04.08.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04018801.3 7 August 2004 (07.08.2004) EP

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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, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, 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.

(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, 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*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
26 May 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SUPERABSORBENT POLYMER PARTICLES COMPRISING FUNCTIONALIZERS AND METHOD OF MAKING THEM

(57) Abstract: The present invention relates to superabsorbent polymer particles having functionalizers covalently bound to the surface of precursor superabsorbent polymer particles. The functionalizers of the present invention comprise a grafting unit with a radiation acti-vatable group and a functional unit covalently bound to the grafting unit. The grafting unit is bound to an aliphatic C-H group comprised at the surface of the precursor superab-sorbent polymer particle. The functional unit comprises chemical structures which are not present in the precursor superabsorbent polymer particle. These functional units add an additional function to the precursor suberabsorbent polymer particle or modifying an ex-isting function of the precursor superabsorbent polymer particle. Moreover, the invention relates to a process for making these superabsorbent polymer particles.

WO 2006/017716 A3