



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

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| <b>(51) International Patent Classification <sup>7</sup> :</b><br><b>C08J 9/32, 9/06 // C08L 75/04</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 00/44821</b><br><b>(43) International Publication Date:</b> 3 August 2000 (03.08.00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>(21) International Application Number:</b> PCT/EP00/00039<br><b>(22) International Filing Date:</b> 5 January 2000 (05.01.00)<br><b>(30) Priority Data:</b><br>99101359.0      26 January 1999 (26.01.99)      EP<br><b>(71) Applicant (for all designated States except US):</b> HUNTSMAN<br>ICI CHEMICALS, LLC [US/US]; 500 Huntsman Way, Salt<br>Lake City, UT 84108 (US).<br><b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> LIMERKENS, Dominicus<br>[BE/BE]; Broekkantstraat 63, B-3680 Meeuwen-Gruitrode<br>(BE). VAN DIJCK, Johan [BE/BE]; Boshovenstraat 23,<br>B-3680 Meeuwen-gruitrode (BE). VAN EDOM, Bart<br>[BE/BE]; Tiensevest 128/1, B-3000 Leuven (BE). WAT-<br>SON, Rhona [GB/BE]; Onze Lieve Vrouweg 3, B-3040<br>Huldenberg (BE).<br><b>(74) Agents:</b> MOENS, Marnix, Karel, Christiane et al.; Huntsman<br>Ici Europe Ltd, Huntsman Polyurethanes, Intellectual Prop-<br>erty Dept., Everslaan 45, B-3078 Everberg (BE). |           | <b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG,<br>BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE,<br>ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,<br>KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,<br>MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU,<br>SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,<br>US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE,<br>LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM,<br>AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT,<br>BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,<br>MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM,<br>GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i><br><i>Before the expiration of the time limit for amending the</i><br><i>claims and to be republished in the event of the receipt of</i><br><i>amendments.</i> |
| <b>(54) Title:</b> FOAMED THERMOPLASTIC POLYURETHANES<br><br><b>(57) Abstract</b><br><br>Process for the preparation of foamed thermoplastic polyurethanes characterised in that the foaming of the thermoplastic polyurethane is carried out in the presence of thermally expandable microspheres.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |