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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 November 2004 (25.11.2004)

PCT

(10) International Publication Number
WO 2004/101673 A3

(51) International Patent Classification[7]: C08L 23/14

(21) International Application Number:
PCT/US2004/014652

(22) International Filing Date: 10 May 2004 (10.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/468,915 8 May 2003 (08.05.2003) US

(71) Applicant *(for all designated States except US)*: **NOVOLEN TECHNOLOGY HOLDINGS C.V.** [NL/NL]; Oostduinlaan 75, NL-2596 JJ The Hague (NL).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **MAIER, Ralph-Dieter** [DE/US]; 5526 Bethany Road, Mason, Ohio 45040 (US). **GALIATSATOS, Vassilious** [US/US]; 963 Evergreen Park Lane, Lebanon, OH 45036 (US). **ROESSNER, Dean, Anthony** [US/US]; 326 Fieldcrest Lane, Loveland, OH 45140 (US). **SETTY, Susan, Patricia** [US/US]; 12130 Regency Run Court #4, Cincinnati, OH 45240 (US).

(74) Agents: **CALDERONE, Adrian, T.** et al.; Dilworth & Barrese, LLP, 333 Earle Ovington Boulvard, Uniondale, NY 11553 (US).

(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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, 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, IT, LU, 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:
31 March 2005

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: POLYPROPYLENE RESIN COMPOSITION

(57) Abstract: A polymer blend includes a first random copolymer of propylene and one or more C_2-C_{20} α-olefins other than propylene having a melting point of above 116°C and up to about 145°C and which constitutes from about 60 weight percent to about 95 weight percent of the composition, and a second random copolymer of propylene and one or more C_2-C_{20} α-olefins other than propylene having a melting point of from about 70°C to no more than 116°C and which constitutes from about 5 weight percent to about 40 weight percent of the composition.The polymer blend includes a xylene soluble fraction having a weight average molecular weight of above about 100 kg/mol and an intrinsic viscosity of above about 1.0 dl/g.

WO 2004/101673 A3