

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 February 2007 (01.02.2007)

PCT

(10) International Publication Number
WO 2007/012406 A1

(51) International Patent Classification:

C08F 210/16 (2006.01) *C08F 4/70* (2006.01)
C08F 2/40 (2006.01) *C08F 4/6192* (2006.01)
C08F 2/42 (2006.01)

(21) International Application Number:

PCT/EP2006/006857

(22) International Filing Date: 13 July 2006 (13.07.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

10 2005 035 477.7 26 July 2005 (26.07.2005) DE
60/710,294 22 August 2005 (22.08.2005) US

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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, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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).

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report*

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: METHOD OF CONTROLLING THE RELATIVE ACTIVITY OF THE DIFFERENT ACTIVE CENTERS OF HYBRID CATALYSTS

(57) Abstract: Method of preparing olefin polymers, which comprises the polymerization of at least one α -olefin in the presence of a hybrid catalyst to produce a polymer comprising at least a higher molecular weight polymer component and a lower molecular weight polymer component in the presence of water in an amount of from 2 to 100 mol ppm and/or carbon dioxide in an amount of from 2 to 100 mol ppm, in each case based on the total reaction mixture, in order to alter the ratio of the higher molecular weight polymer component to the lower molecular weight polymer component. This enables the ratio of the higher molecular weight component to the lower molecular weight component to be controlled selectively.

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