

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 July 2001 (05.07.2001)

PCT

(10) International Publication Number
WO 01/48027 A1

(51) International Patent Classification⁷: C08F 4/16, 4/52,
210/04, 210/14, B01J 31/02, 31/14, 31/18, 31/38

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(21) International Application Number: PCT/US00/35084

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(22) International Filing Date:

21 December 2000 (21.12.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

09/474,402 29 December 1999 (29.12.1999) US

(63) Related by continuation (CON) or continuation-in-part
(CIP) to earlier application:

US 09/474,402 (CON)
Filed on 29 December 1999 (29.12.1999)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, 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, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, 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, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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Published:

— With international search report.

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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: POLYMERIZATION CATALYSTS AND PROCESSES THEREFOR

(57) Abstract: A process is provided which comprises preparing heterogeneous or homogeneous catalyst systems comprising cyclodisilazane complexes of Group IV metals wherein said metal is selected from consisting of titanium, zirconium and hafnium; and a cocatalyst selected from the group consisting of methylaluminumoxane and fluoro organic boron compounds and mixtures thereof. This invention also provides polymerization processes comprising contacting a mono-1-olefin, and optionally one or more higher alpha-olefins, in a reaction zone with cyclodisilazane complexes of Group IV metals catalyst systems and in the presence of a cocatalyst selected from the group consisting of aluminumoxane, fluoro organic boron compounds, and mixtures thereof are provided.

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