

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 May 2006 (11.05.2006)

PCT

(10) International Publication Number
WO 2006/049699 A1

(51) International Patent Classification:

C08F 4/642 (2006.01) C07F 7/28 (2006.01)
C07F 7/00 (2006.01)

(21) International Application Number:

PCT/US2005/032165

(22) International Filing Date:

8 September 2005 (08.09.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/623,673 29 October 2004 (29.10.2004) 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, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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

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: CATALYST COMPOUND CONTAINING DIVALENT TRIDENTATE LIGAND

(57) Abstract: This invention relates to a catalyst compound represented by the formula: wherein: M is a Group 3 to 12 transition metal; each R^1 is, independently, a hydrogen, a hydrocarbyl group, a substituted hydrocarbyl group or halogen; each of R^2 , R^3 , R^4 , R^5 , R^6 , R^7 , R^8 , R^9 , R^{10} , and R^{11} is, independently, a hydrogen, a hydrocarbyl group, a substituted hydrocarbyl group or halogen; R^{12} is hydrogen, a hydrocarbyl group, or a substituted hydrocarbyl group; x is 0, 1, 2, 3 or 4; and each Z is, independently, a group 15 atom. This invention also relates to catalyst systems comprising the above catalyst compound and a activator and the use of such catalyst systems to polymerize monomers, including olefin monomers.

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