

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 June 2009 (04.06.2009)

PCT

(10) International Publication Number
WO 2009/068157 A1

(51) International Patent Classification:

B01J 31/18 (2006.01) **C07C 2/36** (2006.01)

B01J 31/14 (2006.01) **C07F 9/46** (2006.01)

(21) International Application Number:

PCT/EP2008/009305

(22) International Filing Date:

5 November 2008 (05.11.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

07023013.1 28 November 2007 (28.11.2007) EP

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(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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

(54) **Title:** CATALYST COMPOSITION AND PROCESS FOR OLIGOMERIZATION OF ETHYLENE

(57) **Abstract:** The present invention relates to a catalyst composition comprising: (a) a binuclear chromium(II) complex; (b) a ligand of the general structure (A) $R_1R_2P-N(R_3)-P(R_4)-N(R_5)-H$ or (B) $R_1R_2P-N(R_3)-P(R_4)-N(R_5)-PR_6R_7$, wherein $R_1, R_2, R_3, R_4, R_5, R_6$ and R_7 are independently selected from halogen, amino, trimethylsilyl, C_1 - C_{10} -alkyl, aryl and substituted aryl, wherein the PNP or PNP unit is optionally part of a ring system; and (c) an activator or co-catalyst, as well as to a process for oligomerization of ethylene.

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