

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 March 2009 (05.03.2009)

PCT

(10) International Publication Number
WO 2009/029487 A4

(51) International Patent Classification:
C08F 4/646 (2006.01) *C08F 4/651* (2006.01)
C08F 4/649 (2006.01)

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(21) International Application Number:
PCT/US2008/073882

(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.

(22) International Filing Date: 21 August 2008 (21.08.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/957,888 24 August 2007 (24.08.2007) US

(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).

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Published:

— with international search report
— with amended claims

Date of publication of the amended claims: 4 June 2009

(54) Title: SELF-LIMITING CATALYST SYSTEM WITH CONTROLLED ALUMINUM RTO SCA RATIO AND METHOD

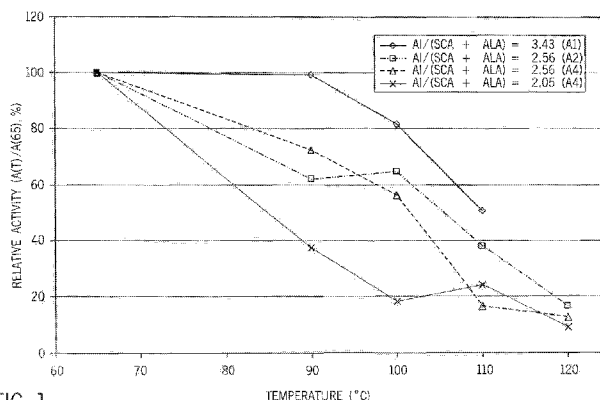


FIG. 1

(57) Abstract: A catalyst composition for the polymerization of propylene is provided. The catalyst composition includes one or more Ziegler-Natta procatalyst compositions having one or more transition metal compounds and one or more esters of aromatic dicarboxylic acid internal electron donors, one or more aluminum containing cocatalysts and a selectivity control agent (SCA). The SCA is a mixture of an activity limiting agent and a silane composition. The catalyst composition has a molar ratio of aluminum to total SCA from 0.5: 1 to 4: 1. This aluminum/SCA ratio improves polymerization productivity and the polymer production rate. The catalyst composition is self-extinguishing.