

(51) International Patent Classification:
B01J 20/00 (2006.01)(21) International Application Number:
PCT/US2012/066107(22) International Filing Date:
20 November 2012 (20.11.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/579,357 22 December 2011 (22.12.2011) US
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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, BN, BR, BW, BY, BZ, CA, CH, CL, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: SILICA CONTAINING ALUMINA SUPPORTS, CATALYSTS MADE THEREFROM AND PROCESSES USING THE SAME

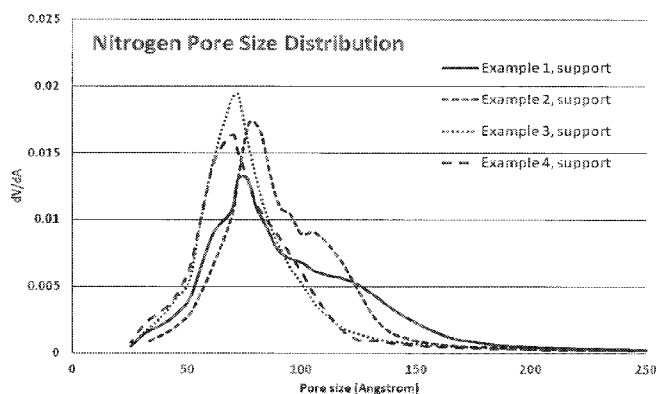


Figure 1. Nitrogen pore size distribution of Examples 1 – 4.

(57) Abstract: Alumina support compositions comprising at least 0.1 wt % of silica are disclosed. The alumina support are characterized by a pore volume of greater than 0.60 cc/g, a median pore size ranging from about 70 to about 120, a pore size distribution such that at least 90% of the total pore volume falls within the range of about 20 to about 250, and a pore size distribution width of no less than about 40. Alumina compositions of the present invention exhibit a primary peak mode at a pore diameter less than the median pore diameter. Also provided are catalysts made from the alumina supports, and processes of preparing and using the supports and catalysts.