

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 December 2007 (21.12.2007)

PCT

(10) International Publication Number
WO 2007/145724 A1

(51) International Patent Classification:

B01J 29/70 (2006.01) **C10G 3/00** (2006.01)
B01J 37/10 (2006.01) **C07C 1/20** (2006.01)
C01B 39/00 (2006.01)

(21) International Application Number:

PCT/US2007/010746

(22) International Filing Date: 1 May 2007 (01.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/812,665 9 June 2006 (09.06.2006) 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, BH, 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, 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, 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, HU, IE, IS, IT, LT, LU, LV, MC, MT, 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).

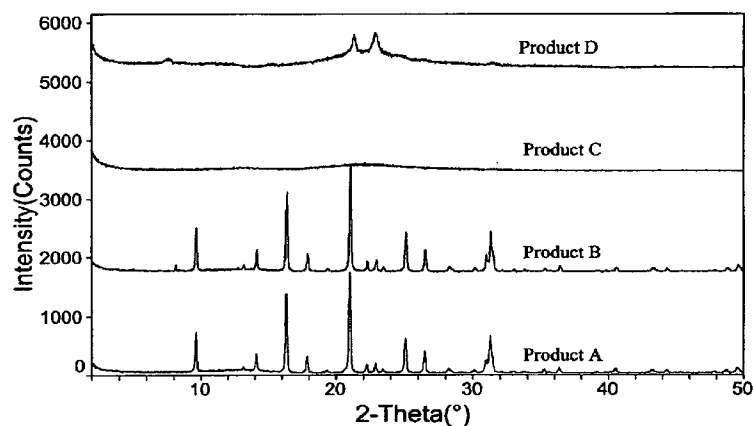
Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: TREATMENT OF CHA-TYPE MOLECULAR SIEVES AND THEIR USE IN THE CONVERSION OF OXYGENATES TO OLEFINS

XRD Patterns of Products



(57) Abstract: A method is disclosed of treating a crystalline material comprising a CHA framework-type molecular sieve, wherein said crystalline material has a composition and involving the molar relationship: $(n)X_2O_3:YO_2$, where X is a trivalent element, Y is a tetravalent element, and n is less than 0.07, and wherein the crystalline material does not comprise a silicoaluminophosphate, is substantially free of framework phosphorus, or both. The method can comprise treating the crystalline material with steam under conditions such that the prime olefin selectivity of the treated material in an oxygenate conversion process is greater than the prime olefin selectivity of the untreated material in the same process.

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- 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

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