

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 June 2009 (18.06.2009)

PCT

(10) International Publication Number
WO 2009/076024 A1

(51) International Patent Classification:
B01J 39/14 (2006.01) **B01J 39/12** (2006.01)

Dimitri A. [RU/US]; UOP LLC, 25 East Algonquin Road,
P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US).

(21) International Application Number:
PCT/US2008/084106

(74) Common Representative: **UOP LLC**; 25 East Algonquin
Road, P. O. Box 5017, Des Plaines, Illinois 60017-5017
(US).

(22) International Filing Date:
20 November 2008 (20.11.2008)

(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.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/954,296 12 December 2007 (12.12.2007) US

(71) Applicant (*for all designated States except US*): **UOP
LLC** [US/US]; 25 East Algonquin Road, P. O. Box 5017,
Des Plaines, Illinois 60017-5017 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **WHITCHURCH,
Patrick C.** [US/US]; UOP LLC, 8725 Old Mooringsport
Road, Shreveport, Louisiana 71107 (US). **BOGDAN,
Paula L.** [US/US]; UOP LLC, 25 East Algonquin Road,
P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US).
DEAK, Terrence E. [US/US]; UOP - Riverside, P. O. Box
163, Riverside, Illinois 60546-0163 (US). **TRUFANOV,**

(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: AROMATIC ISOMERIZATION CATALYST AND A PROCESS OF USE THEREOF

(57) Abstract: One exemplary embodiment can be an ion-exchanged xylene isomerization catalyst. The ion-exchanged xylene isomerization catalyst can include: 1 - 99%, by weight, of at least one of MFI, MEL, EUO, FER, MFS, MTT, MTW, TON, MOR, and FAU zeolite; 1 - 99%, by weight, of a binder having an aluminum phosphate; and no more than 350 ppm, by weight, of a noble metal based on the weight of the catalyst. Generally, the catalyst has a quotient of (CO area)/(weight % of the noble metal) of no more than 0.10.



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