

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 July 2001 (19.07.2001)

PCT

(10) International Publication Number
WO 01/051435 A1

(51) International Patent Classification⁷: **C07C 2/04**,
2/06, 2/08, 2/16, 2/74, 5/03

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(21) International Application Number: PCT/US01/00538

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(22) International Filing Date: 8 January 2001 (08.01.2001)

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(26) Publication Language: English

(30) Priority Data:
09/483,531 14 January 2000 (14.01.2000) US

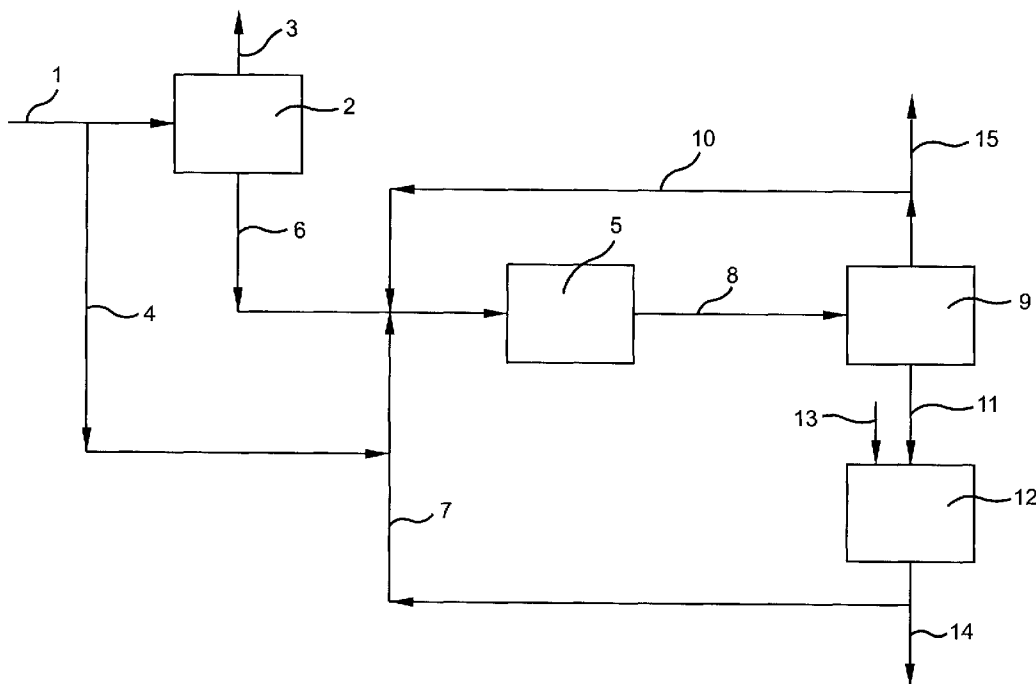
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(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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[Continued on next page]

(54) Title: SELECTIVE OLEFIN OLIGOMERIZATION



(57) Abstract: A gasoline blending fraction rich in isooctane is produced in a reactor (5) by the dimerization of isobutylene using tertiary butyl alcohol modifier and lower alkane diluent. Advantageously, the isobutylene is produced by dehydrating tertiary butyl alcohol in a dehydration zone (2).



WO 01/051435 A1



Published:

— *with international search report*

(15) Information about Correction:

see PCT Gazette No. 32/2002 of 8 August 2002, Section II

(48) Date of publication of this corrected version:

8 August 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.