(20050203 83)

0 1 APR 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
22 April 2004 (22.04.2004)

PCT

(10) International Publication Number
WO 2004/033589 A1

(51) International Patent Classification[7]: C10G 11/18, 11/02, 11/05

(21) International Application Number: PCT/US2003/028561

(22) International Filing Date: 3 October 2003 (03.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/265,249 7 October 2002 (07.10.2002) US

(71) Applicant and
(72) Inventor: **BARTHOLIC, David, B.** [US/US]; 75 Wetumpka Lane, Watchung, NJ 07060 (US).

(74) Agents: **GARRETT, ARTHUR, S.** et al.; FINNEGAN, HENDERSON, FARABOW, GARRETT, & DUNNER, L.L.P., 1300 I Street, NW, Washington, DC 20005-3315 (US).

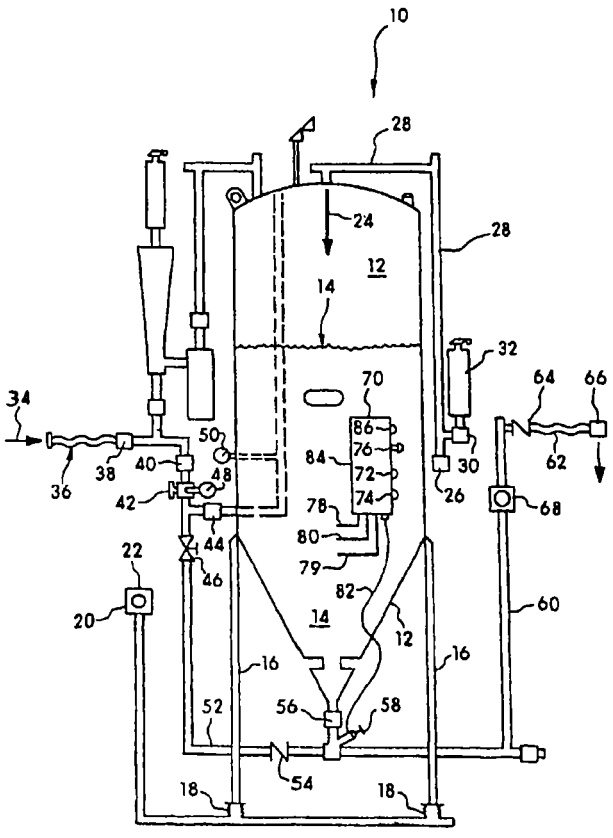
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG,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

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

Published:
— *with international search report*

[Continued on next page]

(54) Title: A METHOD FOR PREPARING A SUBSTITUTE FOR FRESH FLUID CATALYTIC CRACKING CATALYST



(57) Abstract: A method for preparing a mixture of FCC catalyst components for use in an FCCU, which comprises: performing an analysis of an FCCU operation; determining the catalyst requirements for the FCCU, based on said analysis; determining the catalytic properties of at least two FCC catalyst components selected from the group consisting of untreated equilibrium FCC catalyst, reactivated equilibrium FCC catalyst, demetallized equilibrium FCC catalyst, reactivated and demetallized equilibrium FCC catalyst and fresh high activity FCC catalyst containing a zeolite component; and blending said at least two components in proportions, based on the determined properties of said at least two components and the determined catalyst requirements, to form a mixture of the components suitable for addition to the FCCU.

162162

ACTION

WO 2004/033589 A1

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.