



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C10G 11/00, 11/02, 11/04	A1	(11) International Publication Number: WO 00/42120 (43) International Publication Date: 20 July 2000 (20.07.00)
(21) International Application Number: PCT/US00/00980 (22) International Filing Date: 14 January 2000 (14.01.00) (30) Priority Data: 09/231,156 15 January 1999 (15.01.99) US (71) Applicant (for all designated States except US): EXXON-MOBIL RESEARCH AND ENGINEERING COMPANY [US/US]; P.O. Box 390, 180 Park Avenue, Florham Park, NJ 07932-0390 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): RILEY, Kenneth, Lloyd [-/US]; 1289 Rodney Drive, Baton Rouge, LA 70808 (US). KLEIN, Darryl, Patrick [-/US]; 6265 Belle Grove Avenue, Baton Rouge, LA 70820 (US). HOU, Zhiguo [-/US]; 2028 Oakdale Drive, Baton Rouge, LA 70810 (US). SOLED, Stuart, Leon [-/US]; 21 Cooks Cross Road, Pittstown, NJ 08867 (US). KERBY, Michael, Charles [-/US]; 10731 McShay Avenue, Baton Rouge, LA 70810 (US). McVICKER, Gary, Brice [-/US]; 65 Main Street, P.O. Box 427, Califon, NJ 07830 (US). ELLIS, Edward, Stanley [-/US]; 39 Rankin Avenue, Basking Ridge, NJ 07920 (US). TOUVELLE, Michele, Sue [-/US]; 7222 Wickham, Baton		Rouge, LA 70808 (US). MISEO, Sabato [-/US]; 770 County Road 579, Pittstown, NJ 08667 (US). (74) Agents: OTT, Roy, J. et al.; ExxonMobil Research and Engineering Company, P.O. Box 390, Florham Park, NJ 07932-0390 (US). (81) Designated States: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, ARIPO patent (GH, GM, KE, LS, MW, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: HYDROTREATING OR RAW VIRGIN DISTILLATES USING NOVEL BULK MULTIMETALLIC CATALYSTS		
(57) Abstract Hydrotreating a petroleum feedstream comprised of at least 50 wt. % of an atmospheric distillation distillate boiling range product stream, preferably hydrodesulfurization of raw virgin petroleum distillates, using a bulk multimetallic catalyst comprised of at least one Group VIII non-noble metal and at least two Group VIB metal wherein the ratio of Group VIB metal to Group VIII metal is from about 10:1 to 1:10.		