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(21) International Application Number: PCT/US99/08960 (22) International Filing Date: 27 April 1999 (27.04.99) (30) Priority Data: 09/072,632 5 May 1998 (05.05.98) US (71) Applicant: EXXON RESEARCH AND ENGINEERING COMPANY [US/US]; 180 Park Avenue, P.O. Box 390, Florham Park, NJ 07932-0390 (US). (72) Inventors: FUNG, Shun, Chong; 855 Papen Road, Bridgewater, NJ 08807 (US). CHEN, Tan-Jen; 5615 Lofty Magnolia Court, Kingwood, TX 77345 (US). JANSSEN, Marcel, Johannes, Gerardus; Domeinstraat 84, B-3010 Kessel-Lo (BE). WACHTER, William, Augustine; 14040 Eastridge Avenue, Baton Rouge, LA 70817-2865 (US). HENRY, Brian, Erik; 17846 West Colony Way, Baton Rouge, LA 70810 (US). ASPLIN, John, Ernest; 18822 Windward Lane, Houston, TX 77058 (US). (74) Agents: NAYLOR, Henry, E. et al.; Exxon 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, SG, SI, SK, SL, TR, TT, UA, UZ, VN, YU, ZA, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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 With international search report.
(54) Title: PROCESS FOR SELECTIVELY PRODUCING LIGHT OLEFINS IN A FLUID CATALYTIC CRACKING PROCESS FROM A NAPHTHA/STEAM FEED (57) Abstract A process for selectively producing C ₂ -C ₄ olefins from a catalytically cracked or thermally cracked naphtha stream. A mixture of the naphtha stream and a stream of steam is fed into a reaction zone where it is contacted with a catalyst containing from about 10 to 50 wt.% of a crystalline zeolite having an average pore diameter less than about 0.7 nanometers at reaction conditions which include temperatures from about 500 to 650 °C and a hydrocarbon partial pressure from about 10 to 40 psia.		