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(21) International Application Number: PCT/US98/07095 (22) International Filing Date: 9 April 1998 (09.04.98) (30) Priority Data: 08/844,125 18 April 1997 (18.04.97) US (71) Applicant: EXXON CHEMICAL PATENTS INC. [US/US]; 5200 Bayway Drive, Baytown, TX 77520-5200 (US). (72) Inventors: KAO, Jar-Lin; 16507 Craighurst, Houston, TX 77059 (US). RAMSEY, Scott, A.; 2345 Sunset Boulevard, Houston, TX 77005 (US). (74) Agents: SHERER, Edward, F. et al.; Exxon Chemical Com- pany, P.O. Box 2149, Baytown, TX 77522-2149 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ARIPO patent (GH, GM, KE, LS, MW, SD, 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, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: NAPHTHA REFORMING CATALYST AND PROCESS (57) Abstract The invention provides a crystalline type L zeolite reforming catalyst comprising cylindrically shaped crystals having a length of 0.6 microns or less and an average length:diameter ratio of less than about 0.5, the catalyst containing at least one Group VIII metal and from about 0.1 to 2 wt.% halogen, e.g., chlorine. Also provided is a method for activating or regenerating the catalyst wherein a fresh or de-coked catalyst is oxychlorinated, purged to remove excess chlorine and reduced. The catalysts are particularly useful for the reforming of C ₆ to C ₁₁ naphthas to produce reformates having a high content of C ₆ to C ₈ light aromatics and a reduced content of heavier C ₉ and C ₁₀ aromatics.		