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(21) International Application Number: PCT/US99/23203 (22) International Filing Date: 5 October 1999 (05.10.99) (30) Priority Data: 09/169,653 9 October 1998 (09.10.98) US (71) Applicant: EXXON RESEARCH AND ENGINEERING COMPANY [US/US]; 180 Park Avenue, P.O. Box 390, Florham Park, NJ 07932-0390 (US). (72) Inventor: VAUGHAN, David, Evan, William; 1109 Croton Road, Flemington, NJ 08822 (US). (74) Agents: HANTMAN, Ronald, D. 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, 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: SYNTHESIS OF AND COMPOSITIONS OF ECR-40, LARGE PORE ALUMINOPHOSPHATE (57) Abstract The present invention is a large-pore aluminophosphate or substituted aluminophosphate comprising a composition $aR:(M_xA_1P_z)O_2$, wherein R represents an organic templating agent, and $a=0$ to 0.4, $X=0$ to 0.4, $y=0.35$ to 0.5, and $Z=0.25$ to 0.5 and characterized by the diffraction pattern of Table 1 and M may be Si, Ga, Ge, Co, Ni, Zn, Fe, V, Ti and mixtures thereof.		