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(21) International Application Number: PCT/EP95/01756 (22) International Filing Date: 8 May 1995 (08.05.95) (30) Priority Data: 94201325.1 10 May 1994 (10.05.94) EP (34) Countries for which the regional or international application was filed: AT et al. (71) Applicant (for all designated States except CA): SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL). (71) Applicant (for CA only): SHELL CANADA LIMITED [CA/CA]; 400 4th Avenue S.W., Calgary, Alberta T2P 2H5 (CA). (72) Inventors: JONGKIND, Hermanus; Badhuisweg 3, NL-1031 CM Amsterdam (NL). VAN KOTEN, Martijn, Arjen; Badhuisweg 3, NL-1031 CM Amsterdam (NL). SEIJE, Alain; Badhuisweg 3, NL-1031 CM Amsterdam (NL). STORK, Willem, Hartman, Juriaan; Badhuisweg 3, NL- 1031 CM Amsterdam (NL).	(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, 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), ARIPO patent (KE, MW, SD, SZ, UG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i> RTMP + annexes 9611882-3
(54) Title: PROCESS FOR PREPARING A LARGE PORE MOLECULAR SIEVE (57) Abstract The present invention relates to a process for the preparation of a large-pore molecular sieve, comprising crystallising the molecular sieve from a starting mixture at a pH in the range of from 3 to 8, and recovering a large-pore molecular sieve, the said starting mixture having a molar composition satisfying the following molar ratios: (0.01 - 2) R_{2/n}O : (0 - 1.5) M_{2/m}O : (0 - 0.5) X₂O₃ : 1 YO₂ : (5 - 1,000) H₂O : (0.01 - 3) F⁻, wherein n and m are the weighted average valences of R and M respectively, M is an alkali- or alkaline-earth metal, X is a trivalent metal and Y is a tetravalent element, wherein R comprises at least one main organic template R_m having the formula R₁R₂R₃R₄Q⁺ wherein Q is nitrogen or phosphorus and wherein at least one and at most three of R₁, R₂, R₃ and R₄ is an aryl or alkyl group having 6 to 36 carbon atoms and each of the remainder of R₁, R₂, R₃ and R₄ is selected from hydrogen and an alkyl group having 1 to 5 carbon atoms. The invention further relates to a calcined large-pore molecular sieve and its use.	

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