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(21) International Application Number: PCT/EP96/05579 (22) International Filing Date: 2 December 1996 (02.12.96) (30) Priority Data: ¹ 960082.3 ✓ 4 January 1996 (04.01.96) ✓ GB (71) Applicant (for all designated States except US): ¹ EXXON CHEMICAL PATENTS INC. [US/US]; 1900 East Linden Avenue, Linden, NJ 07036 (US). (72) Inventors; and (73) Inventors/Applicants (for US only): ¹ ANTHONIS, Marc, H. [BE/BE]; Moniestraat 30, B-1981 Hofstade (BE). ² BONS, Antonie, Jan [NL/BE]; Tiensesteenweg 259, B-3010 Kessel-Lo (BE). ³ ZARNETZKI, Lothar, Ruediger [DE/BE]; Priester Dacnsstraat 29/4, B-3010 Leuven (BE). ⁴ DE GUNST, Win, Guy, Jean-Marie [BE/BE]; Achterbrent 7, B-9320 Nieuwerkerken (BE). ⁵ MORTIER, Wilfried, Jozef [NL/BE]; Diestse Steenweg 483, B-3010 Kessel-Lo (BE). ⁶ VAN OORSCHOT, Cortellius, Wilhelmus, Maria [NL/BE]; Ploegsebaan 136, B-2930 Brasschaat (BE). (74) Agents: WHITE, Nicholas, John et al.; Dibb Lupton Alsop, Fountain Precinct, Balm Green, Sheffield S1 1RZ (GB).		(81) Designated States: AU, BR, CA, CN, IL, JP, KR, MX, RU, ^{SC} UA, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report. ✓ 1 PD 1 appl. n. 6 INVS.	
(54) Title: MOLECULAR SIEVES AND PROCESSES FOR THEIR MANUFACTURE ✓			
(57) Abstract Structures comprising a crystalline molecular sieve layer on a substrate and an additional layer of a refractory material to occlude voids in the molecular sieve layer.			