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(21) International Application Number: PCT/EP97/00315 ✓ (22) International Filing Date: 22 January 1997 (22.01.97) ✓ (30) Priority Data: 591,819 25 January 1996 (25.01.96) ✓ US (71) Applicant (for all designated States except US): EXXON RESEARCH & ENGINEERING CO. [US/US]; 180 Park Avenue, P.O. Box 390, Florham Park, NJ 07932 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): McHENRY, James, Alexander [US/US]; 4 Partridge Run, Washington, NJ 07882 (US). DECKMAN, Harry, William [US/US]; 2 Woods Edge Court, Clinton, NJ 08809 (US). CORCORAN, Edward, William [US/US]; 2149 Stocker Mill Road, Easton, PA 18045 (US). CZARNETZKI, Lothar, Ruediger [DE/BE]; Priester Daensstraat 29/4, B-3010 Leuven (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.
(54) Title: SEPARATION PROCESS IN WHICH A MEMBRANE IS USED (57) Abstract A molecular sieve membrane is used to separate hydrocarbons and/or oxygenates. Hydrogen is present in the feed and/or the permeate. The hydrogen may have been added to the feed.		