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(21) International Application Number: PCT/US99/07311 (22) International Filing Date: 1 April 1999 (01.04.99) (30) Priority Data: 09/055,486 6 April 1998 (06.04.98) US (71) Applicant: MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US). (72) Inventors: BROWN, Stephen, Harold; 20 Fairview Avenue, Princeton, NJ 08540 (US). GREEN, Larry, Arthur; 708 Union Road, Mickleton, NJ 08056 (US). MATHIAS, Mark, Fischer; 12 Ryder Cup Circle, Pittsford, NY 14534 (US). OLSON, David, Harold; 11 Morningside Drive, Pennington, NJ 08534 (US). SHINNAR, Reuel; 110 Ash Drive, Great Neck, NY 11021 (US). WARE, Robert, Adams; 8055 Stenton Avenue, Wyndmoor, PA 19038 (US). WEBER, William, Alois; 27 Hearthstone Lane, Marlton, NJ 08053 (US). (74) Agents: ROBERTS, Peter, W. et al.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).		(81) Designated States: AU, AZ, BR, CA, CN, ID, IN, JP, KR, KZ, MX, NO, RU, SG, TM, UZ, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: PROCESS FOR PRODUCING LIGHT OLEFINS (57) Abstract There is provided a process for converting methanol and/or dimethyl ether to a product containing C ₂ -C ₄ olefins which comprises the step of contacting a feed which contains methanol and/or dimethyl ether with a catalyst comprising a porous crystalline material, the contacting step being conducted in the presence of a co-fed aromatic compound under conversion conditions including a temperature of 350 to 480 °C and a methanol partial pressure in excess of 10 psia (70 kPa), the porous crystalline material having a pore size greater than the critical diameter of the aromatic compound and the aromatic compound being capable of alkylation by the methanol and/or dimethyl ether under the conversion conditions.		