

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 May 2002 (30.05.2002)

PCT

(10) International Publication Number
WO 02/42208 A1

(51) International Patent Classification⁷: **C01B 39/48**,
B01J 29/70

(74) Agents: **SHERER, Edward, F.** et al.; Exxon Chemical
Company, Law Technology, P.O. Box 2149, Baytown, TX
77522-2149 (US).

(21) International Application Number: PCT/US01/43849

(22) International Filing Date:
14 November 2001 (14.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/253,245 27 November 2000 (27.11.2000) US

(71) Applicant (for all designated States except US): **EXXON-
MOBIL CHEMICAL PATENTS INC.** [US/US]; 5200
Bayway Drive, Baytown, TX 77520-2101 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KRESGE, C.T.**
[US/US]; 3212 Carriage Court, Midland, MI 08691 (US).
CASMER, Stephen, G. [US/US]; 4170 Park Place, Beth-
lehem, PA 18020 (US). **DHINGRA, Sandeep** [US/US];
301 Scenic Drive, Midland, MI 48640 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,
ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, 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, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
TG).

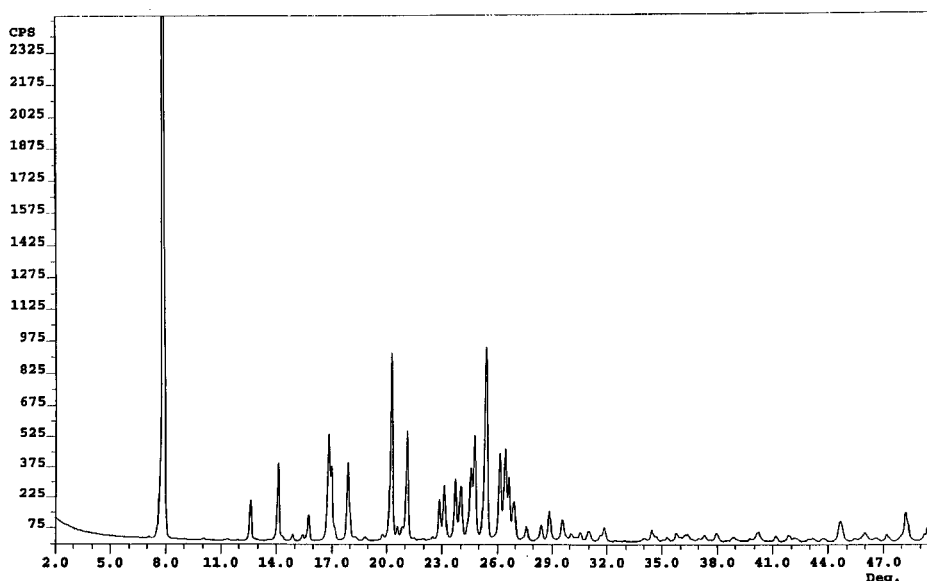
Published:

— with international search report

[Continued on next page]

(54) Title: CRYSTALLINE MOLECULAR SIEVE COMPOSITION MCM-65, ITS SYNTHESIS AND USE

Illustrates the X-ray diffraction pattern of as-synthesized MCM-65 prepared in Example 1



(57) Abstract: This invention relates to a novel synthetic porous crystalline molecular sieve material MCM-65, to a reaction mixture and method for its preparation, and to use of the MCM-65 in catalytic conversion of organic compounds. The crystalline material exhibits a distinctive X-ray diffraction pattern as shown in Table (1).



-
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*