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| <b>(21) International Application Number:</b> <del>PCT/US95/15137</del><br><b>(22) International Filing Date:</b> <del>21 November 1995 (21.11.95)</del><br><br><b>(30) Priority Data:</b><br><del>350,308</del> / <del>6 December 1994 (06.12.94)</del> / <del>US</del><br><br><b>(71) Applicant:</b> <del>MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US).</del><br><br><b>(72) Inventors:</b> <del>CHENG, Jane, Chi-Ya; 26 Deer Trail Drive, Clarksburg, NJ 08510 (US). HUANG, Tracy, Jau-Hua; 9 Woodfield Lane, Lawrenceville, NJ 08648 (US).</del><br><br><b>(74) Agents:</b> <del>HOBBS, Laurence, P. et al.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).</del>                                                                                                                                                                 |           | <b>(81) Designated States:</b> AU, CA, JP, KR, <del>SG</del> , European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).<br><br><b>Published</b><br><i>With international search report.</i><br><br><div style="text-align: center; font-size: 1.5em;">RTMP's copy</div> |
| <b>(54) Title:</b> <del>PROCESS FOR THE ALKYLATION OF BENZENE-RICH REFORMATE USING MCM-49</del><br><br><b>(57) Abstract</b><br><p>The present invention relates to a process for alkylating a reformat feedstream containing benzene, toluene, xylenes, and ethylbenzene, said process comprising: 1) contacting said reformat feedstream with a hydrocarbon stream comprising C<sub>2</sub>-C<sub>5</sub> olefins in the presence of a catalyst comprising an active form of synthetic porous crystalline MCM-49 under benzene alkylation conditions whereby an effluent stream is produced having a benzene content at least 50 wt.% less than that of said feedstream, an octane rating no less than that of said feedstream, and a total liquid product greater than that of said feedstream; and 2) collecting the gasoline boiling range fraction of said effluent stream.</p> |           |                                                                                                                                                                                                                                                                                                  |