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| <b>(51) International Patent Classification <sup>7</sup>:</b><br><b>B01J 29/80, 29/40, C10G 47/16</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>A1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>(11) International Publication Number:</b> <b>WO 00/07724</b><br><b>(43) International Publication Date:</b> 17 February 2000 (17.02.00) |
| <b>(21) International Application Number:</b> PCT/EP99/05575<br><b>(22) International Filing Date:</b> 30 July 1999 (30.07.99)<br><b>(30) Priority Data:</b><br>98306162.3      3 August 1998 (03.08.98)      EP<br><b>(71) Applicant (for all designated States except CA):</b> SHELL<br>INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.<br>[NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The<br>Hague (NL).<br><b>(71) Applicant (for CA only):</b> SHELL CANADA LIMITED<br>[CA/CA]; 400 - 4th Avenue S.W., Calgary, Alberta T2P<br>2H5 (CA).<br><b>(72) Inventors:</b> GOSSELINK, Johan, Willem; Badhuisweg 3,<br>NL-1031 CM Amsterdam (NL). VAN VEEN, Johannes,<br>Anthonius, Robert; Badhuisweg 3, NL-1031 CM Amster-<br>dam (NL). VAN WELSENES, Arend, Jan; Badhuisweg 3,<br>NL-1031 CM Amsterdam (NL). | <b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG,<br>BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB,<br>GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,<br>KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,<br>MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,<br>SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW,<br>ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG,<br>ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ,<br>TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI,<br>FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent<br>(BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE,<br>SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i> |                                                                                                                                             |
| <b>(54) Title:</b> PROCESS FOR THE PREPARATION OF A CATALYST COMPOSITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                             |
| <b>(57) Abstract</b><br><br>The present invention provides a process for the preparation of a catalyst composition which comprises, as first cracking component, a zeolite beta, and a second cracking component selected from (i) crystalline molecular sieves having pores with diameters greater than 0.6 nm, (ii) clays, and (iii) amorphous cracking components, the process comprising the steps of: (a) preparing a mixture comprising the first cracking component and a gelatin material, and mixing intimately, (b) mulling with the second cracking component, and (c) extruding the mixture of step (b) into catalyst extrudates, and calcining the extrudates.                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                             |