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[21] Application No.: GCC/P/2001/1427 [22] Filing Date: 16/06/2001 [30] Priority: [31] Priority No. [32] Priority date [33] State 00113486.5 26/06/2000 EP [72] Inventors: 1-Mohammad Omer Farouk Moheeddin Soufi, 2-Sami Ali Barri, 3- Yajnavalkya S. Bhat, 4-Altat Husain [73] Owner: Saudi Basic Industries Corporation "SABIC", P.O. Box 5101, Riyadh 11422, Kingdom of Saudi Arabia	[51] Int.Cl. <sup>7</sup> : C07C 2 /12, 11/02 [56] Cited Documents: - WO 9118851 A (CHEMICAL PATENTS INC) 12 December 1991 - EP 0247802 A (BRITISH PETROLEUM CO PLC) 02 December 1987

[54] DIMERIZATION OF OLEFINS

[57] Abstract: A process for the dimerization of at least one olefin with a carbon number between 2 and 10 by contacting the feed with a catalyst system comprising at least: (a) tectometallosilicate zeolite with having TON-type structure, (b) tectometallosilicate zeolite with having MTT-type structure, (c) tectometallosilicate zeolite with the same structure as that of the 2SM-48 zeolite, or (d) silicoaluminophosphate (SAPO) zeotype with AEL-type structure; under dimerization condition to produce highly branched olefins.

No. of claims: 14