



## [12] Patent

[11] Patent No.: GC 0000319	Number of the Decision to Grant the Patent: 6/1067
[45] Date of Publishing the Grant of the Patent: 01/11/2006 6/2006	Date of the Decision to Grant the Patent: 22/07/2006
[21] Application No.: GCC/P/2002/1842 [22] Filing Date: 06/02/2002 [30] Priority: [31] Priority No. [32] Priority date [33] State 01102731.5 07/02/2001 EP [72] Inventors: 1- Akhlaq Asghar Moman, 2- Khalid Abdullah Al-Bahily, 3- Atieh Hamad Abu-Raqabah, 4- John Sidney Ledford, 5- Orass Mohammad Hamed [73] Owner: Saudi Basic Industries Corporation (SABIC), P.O. Box 5101, Riyadh 11422, Kingdom of Saudi Arabia [74] Agent: Ahmed N. Bazar Bashi	[51] Int. Cl. <sup>7</sup> : C08F 10/00, 4/02, 4/68, 4/685 [56] Cited Documents: - WO 0023480 A (ABU RAQABAH ATIEH; NALLAVEERAPAN NAVIN (SA); MOMAN AKHLAQ (SA); SA) 27 April 2000 - WO 9630122 A (QUANTUM CHEM CORP) 03 October 1996 - US 5298579 A (HOFF RAYMOND E et al.) 29 March 1994 - US 5118648 A (FURTEK ALLAN B et al.) 02 June 1992 - US 5661095 A (MEVERDEN CRAIG C et al.) 26 August 1997 - GB 2028347 A (EUTECO SPA) 05 March 1980

[54] CATALYST COMPOSITION FOR POLYMERIZATION OF OLEFINS AND METHOD FOR PREPARING THE SAME

[57] Abstract: The present invention relates to a catalyst composition for polymerization of olefins comprising: (a) a solid catalyst precursor comprising at least one vanadium compound, at least one magnesium compound and a polymeric material or a solid catalyst precursor comprising at least one vanadium compound, at least one further transition metal compound and/or at least one alcohol, at least one magnesium compound and a polymeric material; and (b) a cocatalyst comprising at least one aluminum compound; and to a method for preparing a catalyst composition according to the present invention, comprising the steps of: (a) combining the components of the solid catalyst precursor; and (b) activating the catalyst precursor with aluminum compound.

No. of claims: 27