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(21) International Application Number: PCT/US98/24442 (22) International Filing Date: 17 November 1998 (17.11.98) (30) Priority Data: 08/998,146 24 December 1997 (24.12.97) US (71) Applicant: MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US). (72) Inventors: KISSIN, Yury, Viktorovich; 35 Pine Ridge Drive, East Brunswick, NJ 08816-1623 (US); ¹ MINK, Robert, Ivan; 30A Gates Avenue, Warren, NJ 07059-5732 (US); ² NOWLIN, Thomas, Edward; 7 Perrine Path, West Windsor, NJ 08512 (US). (74) Agents: SANTINI, Dennis, P. et al.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).		(81) Designated States: AU, CA, JP, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: BIMETALLIC CATALYSTS FOR ETHYLENE POLYMERIZATION REACTIONS ACTIVATED WITH PARAFIN-SOLUBLE ALKYLALUMOXANES		
(57) Abstract A catalyst and method of making it are disclosed. The catalyst is made by combining two components. The first component is made by slurring a hydroxyl group containing support in a nonpolar solvent, adding a dialkylmagnesium compound, adding an alcohol, adding a non-metallocene transition metal compound, removing the solvent, then reslurring the dried product in a nonpolar, nonaromatic solvent. The second component is made by contacting in a nonpolar, nonaromatic solvent a group 4 metallocene and a trialkylaluminum compound. The second component is then added to the first component, the solvents removed, and an alumoxane added in which at least one of its repeating [AlO(R)] units has as its alkyl group an alkyl group of at least two carbon atoms.		