



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B01J 31/26, 31/32	A1	(11) International Publication Number: WO 98/02246 (43) International Publication Date: 22 January 1998 (22.01.98)
(21) International Application Number: PCT/US97/11092 (22) International Filing Date: 25 June 1997 (25.06.97) (30) Priority Data: 08/682,818 11 July 1996 (11.07.96) US (71) Applicant: MOBIL OIL CORPORATION [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US). (72) Inventors: MINK, Robert, Ivan; 30A Gates Avenue, Warren, NJ 07059 (US). NOWLIN, Thomas, Edward; 7 Perrine Path, Cranbury, NJ 08512 (US). KISSIN, Yury, Viktorovich; 35 Pine Ridge Drive, East Brunswick, NJ 08816 (US). LO, Frederick, Yip-Kwai; 522 Runyon Avenue, Piscataway, NJ 08854 (US). (74) Agents: SCHNELLER, Marina, V. 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, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: SUPPORTED METALLOCENE CATALYST FOR OLEFIN POLYMERIZATION (57) Abstract A highly active polyolefin catalyst can be prepared by reacting a reactive surface of a porous organic or inorganic support with a solution of metallocene compound dissolved in methylaluminoxane. One aspect of the invention is in a carrier which exhibits a silanol group concentration of greater than 0.7 mmole/gram. The catalyst is in particulate form with a particle size which exceeds 10 microns.		