



[12] Patent

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[21] Application No.: GCC/P/2001/1397 [22] Filing Date: 26/05/2001 [30] Priority: [31] Priority No. [32] Priority date [33] State 09/580611 30/05/2000 US [72] Inventor: Glenn W. Dodwell [73] Owner: Phillips Petroleum Company, Bartlesville, State of Oklahoma 74004, USA [74] Agent: Suleiman Ibrahim Al-Ammar	[51] Int. Cl. ⁷ : B01J 20/00, 20/02, 20/06, 20/08, 20/10, 20/30; C10L 1/04, 1/06, 1/08 [56] Cited Documents: - US 6254766 A (SUGHRUE et al.) 03 July 2001 - US 6042798 A (MASUDA et al.) 28 March 2000 - US 5866749 A (OU) 02 February 1999 - US 4871710 A (DENNY et al.) 03 October 1989 - US 4171285 A (MULASKEY) 16 October 1979 - US 4064071 A (GILMOUR et al.) 20 December 1977 - US 4011175 A (PREUS) 08 March 1977

[54] DESULFURIZATION AND NOVEL SORBENTS FOR SAME

[57] Abstract: Sorbent compositions for the removal of sulfur from cracked-gasoline and diesel fuels are prepared by the impregnation of a sorbent support comprising zinc oxide, expanded perlite, and alumina with a promotor metal followed by reduction of the valence of the promotor metal in the resulting promotor metal sorbent support composition.

No. of claims: 33