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[21] Application No.: GCC/P/1999/90 [22] Filing Date: 17/02/1999 [30] Priority: [31] Priority No. [32] Priority date [33] State 98/1440 20/02/1998 ZA [72] Inventors: 1- Peter Jacobus Van Berge, 2- Jan Van De Loosdrecht, 3- Elsie Adriana Caricato, 4- Sean Baraadas [73] Owner: Sasol Technology (Proprietary) Limited, 1 Sturdee Avenue, Rosebank, Johannesburg, South Africa [74] Agent: Saud M. A. Shawwaf	[51] Int. Cl. <sup>7</sup> : B01J 33/00, 23/75; C07C 01/04; B01J 37/02 [56] Cited Documents: - US 5169821 A (SOLED STUART L et al.) 08 December 1992 - EP 0141596 A (ATOMIC ENERGY OF CANADA LTD.) 15 March 1985 - WO 9720216 A (GRACE W R & CO.) 05 June 1997 - EP 0586196 A (CROSFIED JOSEPH & SONS) 09 March 1994

[54] PROCESS FOR PRODUCING HYDROCARBONS FROM A SYNTHESIS GAS, AND CATALYSTS THEREFOR

[57] Abstract: A method of treating a catalyst support comprises introducing onto and/or into an untreated catalyst support which is partially soluble in an aqueous acid solution and/or a neutral aqueous solution, Si, Zr, Cu, Zn, Mn, Ba, Co, Ni and/or La as a modifying component. The modifying component is capable, when present in and/or on the catalyst support, of suppressing the solubility of the catalyst support in the aqueous acid solution and/or the neutral aqueous solution. A protected modified catalyst support which is less soluble or more inert in the aqueous acid solution and/or the neutral aqueous solution, than the untreated catalyst support, is thus formed. A method of forming a catalyst from the modified catalyst support is also provided.

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