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(54) Title: FISCHER-TROPSCH PROCESSES AND CATALYSTS USING FLUORIDED ALUMINA SUPPORTS

(57) Abstract

A process is disclosed for producing hydrocarbons. The process involves contacting a feed stream comprising hydrogen and carbon monoxide with a catalyst in a reaction zone maintained at conversion-promoting conditions effective to produce an effluent stream comprising hydrocarbons. In accordance with this invention the catalyst used in the process includes at least one catalytic metal for Fischer-Tropsch reactions (e.g., iron, cobalt, nickel and/or ruthenium); and a support selected from the group consisting of an aluminum fluoride and fluorided aluminas.

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