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(12) PATENT SPECIFICATION
 ABSTRACT
 (19) AU

(21) 45,515/79 (22) 27.3.79 (24) 27.3.79
 (43) 2.10.80
 (51)² C07C 1/16
 (54) Producing olefins from carbon monoxide and hydrogen
 (71) Dow Chemical Company, The
 (72) Murchison, C.B., and Murdick, D.A.
 (74) PO
 (57) Claim

1. A process for producing hydrocarbons by contacting carbon monoxide and hydrogen at reactive conditions, characterized by contacting the carbon monoxide and hydrogen with a catalyst having a surface area less than 100 m²/g and consisting of:

(A) between 1 percent and 95 percent by weight based upon the weight of the catalyst of at least one material selected from the group consisting of the sulfide, oxide or metal of molybdenum, tungsten, rhenium, ruthenium, nickel, palladium, rhodium, osmium, iridium and platinum; and

(B) between 0.05 percent and 50 percent by weight based upon the weight of the catalyst of at least one material selected from the group consisting of the hydroxide, oxide or salt of lithium, sodium, potassium, rubidium, cesium, magnesium, calcium, strontium, barium and thorium.