n = 0-3.
(n+m) = 3;
(b) further treating the carrier with a Co cpd. in presence of an organic liq.;
(c) removing the organic liq.; and
(d) calcining and activating the compsn. obtd.

USE/ADVANTAGE
The catalysts are useful for prodn. of hydrocarbons from

10,000 (log v)/(t x T) = at least 1,
where v = viscosity (cS at 60°C), T = temp ( K) and
t = submersion time (sec.)

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The catalysts are activated at 200-350°C with II, or a II,contg. gas. PREFERRED CATALYST The catalyst pref. comprises (pts.wt.): 100 carrier. 5-50 Co and 0.1-5 of a promoter, pref. Ti, Cr, Ru or esp. Zr. The promoter is pref. deposited on the Co-loaded catalyst after calcination. EXAMPLE Catalysts comprising (pts.wt) 100 SiO2 and 25 Co were prepd by impregnation of SiO<sub>2</sub> with Co(NO<sub>3</sub>)<sub>2</sub> in EtOH and calcination at 500°C the SiO, for catalyst A being a calcined globular SiO, and that for catalyst B being the same SiO, after refluxing for 12 hr. with a soln. of triethoxysilane in toluene. With an H2/CO (2:1 molar) mixt. at 20 bar, 220°C and GHSV 600 N1/1 x h, fixed beds of the entalysts activated by H, at 250°C gave conversion (% vol) of (A) 55, and (B) 81. (12pp1492RKMHDwgNo0/0). (E) ISR: No Search Report.