E(10-J2C3, 10-J2D, 31-P2C, 35-L, 35-V) H(4-E5, 4-F2E) J(4-E4) UNVO 13.07.87 89-377892/51 E17 H04 J04 *US 4874-732-A N(1-C1, 2-B1, 3-B, 3-E) UOP 14.09.88-ZA-006859 (+US-072747) (17:10.89) B01i-29/10 Cobelt fischer tropsch catalysts - incorporating promoter and performed better than a non-promoted catalyst at 240 and 260°C in that: combined with molecular sleve (i) conversion activity was improved by over 10 %, C89-167552 (ii) methane prodn. was halved, (iii) C5+ yield was increased significantly, (iv) the olefin content of the prod. was increased. (v) there was a ten fold decrease in the percent syngas A cobalt Fischer Tropsch catalyst is supported by an conversion loss per hour, implying an increase in catalyst life. ultrahydrophobic molecular sieve in combination with an effective amt. of a promoter which may be Mn oxide or a mixt. (5pp2042CGDwgNo0/0). of Mn and Zr oxides. USES/ADVANTAGES The catalyst exhibits improved stability, catalyst life, and prod. selectivity (lower methane prodn., higher C5+ yield and olefin prodn.). PREFERRED EMBODIMENTS The ultrahydrophobic molecular sieve is: (a) an acid extracted LZ-10 molecular sieve, or (b) a steam treated and acid extracted LZ-210 molecular sieve. EXAMPLE Using 1:1 H2:CO syngas, a Mn oxide promoted catalyst US4874732-A