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(21) International Application Number: PCT/EP96/02577 (22) International Filing Date: 12 June 1996 (12.06.96) (30) Priority Data: 95201644.2 16 June 1995 (16.06.95) EP (34) Countries for which the regional or international application was filed: GB et al. (71) Applicant (for all designated States except CA): SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL). (71) Applicant (for CA only): SHELL CANADA LIMITED [CA/CA]; 400 - 4th Avenue S.W., Calgary, Alberta T2P 2H5 (CA).		(72) Inventors: GEERLINGS, Jacobus, Johannes, Cornelis; Badhuisweg 3, NL-1031 CM Amsterdam (NL). GOES, Marinus, Franciscus; Badhuisweg 3, NL-1031 CM Amsterdam (NL). HUISMAN, Hans, Michiel; Badhuisweg 3, NL-1031 CM Amsterdam (NL). LANGE, Jean-Paul; Badhuisweg 3, NL-1031 CM Amsterdam (NL). OOSTERBEEK, Heiko; Badhuisweg 3, NL-1031 CM Amsterdam (NL). REK, Paulus, Johannes, Maria; Badhuisweg 3, NL-1031 CM Amsterdam (NL). SCHADENHORST, David; Badhuisweg 3, NL-1031 CM Amsterdam (NL). (81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: CATALYST AND PROCESS FOR THE PREPARATION OF HYDROCARBONS (57) Abstract <p>The present invention relates to a catalyst for use in a process for the preparation of hydrocarbons comprising cobalt and manganese and/or vanadium, supported on a carrier, wherein the cobalt: (manganese + vanadium) atomic ratio is at least 12:1. Preferably, the cobalt: (manganese + vanadium) atomic ratio is at most 1500:1. The invention further relates to a process for the preparation of hydrocarbons which comprises contacting a mixture of hydrogen and carbon monoxide at elevated temperature and pressure with a catalyst as described hereinbefore. Typically, at least part of the cobalt is present in the metallic state.</p>		