Title (en)

PROCESS FOR REMOVING MERCURY AND, OPTIONALLY, ARSENIC FROM HYDROCARBONS

Publication

EP 0332526 B1 19920506 (FR)

Application

EP 89400626 A 19890306

Priority

FR 8803258 A 19880310

Abstract (en)

[origin: JPH01231920A] PURPOSE: To efficiently eliminate Hg in a hydrocarbon charge by bringing a mixture composed of H2 and the charge into contact with a catalyst contg. one of Ni, Co, Fe and Pd, then with a capture mass contg. S or metal fluoride. CONSTITUTION: The mixture composed of H2 and the charge, such as Hg-contg. hydrocarbon, is brought into contact with the catalyst contg. at least one metal of the group consisting of the Ni, Co, Fe and Pd and is then brought into contact with the capture mass contg. the S or the metal fluoride, such as CuS, by which the Hg is eliminated. The capture mass prepd. by depositing the S or the metal fluoride on a carrier consisting of alumina, active carbon or the like is usable as the capture mass. The catalyst and the capture mass may be used as a mixture and the As may be simultaneously removed in addition to the Hg.

IPC 1-7

C10G 67/06

IPC 8 full level

B01D 53/14 (2006.01); **B01J 23/755** (2006.01); **B01J 23/89** (2006.01); **B01J 29/06** (2006.01); **C10G 25/00** (2006.01); **C10G 29/00** (2006.01); **C10G 45/04** (2006.01); **C10G 67/06** (2006.01)

CPC (source: EP US)

C10G 45/04 (2013.01 - EP US); **C10G 67/06** (2013.01 - EP US); C10G 2300/205 (2013.01 - EP US)

Cited by

EP0425984A1; EP0599702A1; FR2698372A1; BE1007049A3; US5702590A; CN1047189C; EP0611183A1; FR2701270A1; US5601701A; WO2011131850A1; EP0611182A1; FR2701269A1; US5531886A; CN1048036C; WO9425540A1

Designated contracting state (EPC)

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EP 0332526 A1 19890913; **EP 0332526 B1 19920506**; AT E75767 T1 19920515; AU 3117889 A 19890914; AU 612244 B2 19910704; CA 1335270 C 19950418; CN 1021409 C 19930630; CN 1037466 A 19891129; DE 68901407 D1 19920611; DZ 1327 A1 20040913; FR 2628338 A1 19890915; FR 2628338 B1 19910104; JP 3038390 B2 20000508; JP H01231920 A 19890918; MY 104718 A 19940531; NO 173321 B 19930823; NO 173321 C 19931201; NO 890993 D0 19890308; NO 890993 L 19890911; US 4911825 A 19900327

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