

Title (en)

THE USE OF HYDROGEN TO REGENERATE METAL OXIDE HYDROGEN SULFIDE SORBENTS

Title (de)

VERWENDUNG VON WASSERSTOFF ZUR REGENERIERUNG METALLOXIDISCHER WASSERSTOFFSULFIDSORBENTEN

Title (fr)

UTILISATION D'HYDROGENE POUR REGENERER DES SORBANTS DE SULFURE D'HYDROGENE D'OXYDE METALLIQUE

Publication

EP 1322728 A1 20030702 (EN)

Application

EP 01952851 A 20010719

Priority

- US 0122734 W 20010719
- US 62086400 A 20000721

Abstract (en)

[origin: WO0208361A1] A process to regenerate metal oxide desulfurization sorbents using hydrogen gas. The sorbents may be mono- or multi-metallic in nature, and preferably comprise Ni and/or Co. If desired, secondary metals may be incorporated to increase regeneration efficiency and/or capacity. Other additives suppress hydrocarbon craking.

IPC 1-7

C07C 7/12; **B01J 20/34**; **B01J 38/04**; **B01J 38/10**; **B01J 38/12**; **C10G 45/04**; **C10G 45/06**; **C10G 45/08**; **C10G 45/10**; **B01J 20/00**; **C10G 45/00**; **C07C 7/00**

IPC 8 full level

B01J 20/06 (2006.01); **B01J 20/34** (2006.01); **B01J 23/89** (2006.01); **B01J 23/94** (2006.01); **B01J 23/96** (2006.01); **C10G 25/00** (2006.01); **C10G 29/16** (2006.01); **C10G 45/04** (2006.01); **C10G 45/08** (2006.01); **C10G 67/06** (2006.01); **C10G 67/16** (2006.01)

CPC (source: EP)

B01J 20/0225 (2013.01); **B01J 20/06** (2013.01); **B01J 20/08** (2013.01); **B01J 20/103** (2013.01); **B01J 20/3204** (2013.01); **B01J 20/3236** (2013.01); **B01J 20/3433** (2013.01); **B01J 20/3458** (2013.01); **B01J 23/89** (2013.01); **B01J 23/94** (2013.01); **C10G 25/003** (2013.01); **C10G 45/04** (2013.01); **B01J 2220/56** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0208361 A1 20020131; AU 7356601 A 20020205; CA 2416236 A1 20020131; EP 1322728 A1 20030702; EP 1322728 A4 20041006; JP 2004504478 A 20040212; NO 20030283 D0 20030120; NO 20030283 L 20030318

DOCDB simple family (application)

US 0122734 W 20010719; AU 7356601 A 20010719; CA 2416236 A 20010719; EP 01952851 A 20010719; JP 2002514251 A 20010719; NO 20030283 A 20030120