

Title (en)
APPARATUS AND PROCESS FOR HYDROGEN SULFIDE REMOVAL

Title (de)
VORRICHTUNG UND VERFAHREN ZUR ENTFERNUNG VON SCHWEFELWASSERSTOFF

Title (fr)
APPAREIL ET PROCEDE POUR UNE MEILLEURE EXTRACTION DU SULFURE D'HYDROGENE

Publication
EP 1328330 A2 20030723 (EN)

Application
EP 01975489 A 20010927

Priority
• US 0130274 W 20010927
• US 67683700 A 20000929
• US 96415201 A 20010926

Abstract (en)
[origin: WO0226357A2] Provided is a trap and method for removing hydrogen sulfide from a gas stream. The hydrogen sulfide trap includes a monolith substrate on which is disposed zinc oxide, and a second metal or oxide thereof. In some aspects, the hydrogen sulfide trap is advantageously incorporated into systems for producing hydrogen for PEM fuel cells.

IPC 1-7
B01D 53/04; **B01J 20/02**; **B01J 20/28**; **B01J 2/06**

IPC 8 full level
B01D 53/52 (2006.01); **B01D 53/04** (2006.01); **B01D 53/14** (2006.01); **B01J 2/06** (2006.01); **B01J 20/02** (2006.01); **B01J 20/06** (2006.01); **B01J 20/28** (2006.01); **B01J 20/32** (2006.01); **C10G 29/04** (2006.01); **C10G 29/16** (2006.01); **C10L 3/10** (2006.01); **H01M 8/06** (2006.01)

CPC (source: EP)
B01D 53/02 (2013.01); **B01J 2/06** (2013.01); **B01J 20/02** (2013.01); **B01J 20/041** (2013.01); **B01J 20/06** (2013.01); **B01J 20/08** (2013.01); **B01J 20/103** (2013.01); **B01J 20/18** (2013.01); **B01J 20/2803** (2013.01); **B01J 20/28042** (2013.01); **B01J 20/3042** (2013.01); **B01J 20/3078** (2013.01); **B01J 20/3204** (2013.01); **B01J 20/3236** (2013.01); **B01J 20/3289** (2013.01); **B01D 2253/104** (2013.01); **B01D 2253/112** (2013.01); **B01D 2253/342** (2013.01); **B01D 2257/304** (2013.01); **B01J 2220/42** (2013.01)

Citation (search report)
See references of WO 0226357A2

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 0226357 A2 20020404; **WO 0226357 A3 20020822**; AU 9480901 A 20020408; CA 2423821 A1 20020404; EP 1328330 A2 20030723; JP 2004518521 A 20040624

DOCDB simple family (application)
US 0130274 W 20010927; AU 9480901 A 20010927; CA 2423821 A 20010927; EP 01975489 A 20010927; JP 2002530179 A 20010927