

Title (en)
REMOVAL OF SULFUR COMPOUNDS FROM GASES

Title (de)
ENTFERNUNG VON SCWEFELVERBINDUNGEN AUS GASEN

Title (fr)
ELIMINATION DE COMPOSES SULFURES DANS DES GAZ

Publication
EP 1590068 A1 20051102 (EN)

Application
EP 04707693 A 20040203

Priority
• NL 2004000077 W 20040203
• EP 03075345 A 20030204
• EP 04707693 A 20040203

Abstract (en)
[origin: EP1447124A1] The present invention relates to a supported catalyst system for the removal of sulfur compounds, such as H₂S comprising a metal compound on a support material, wherein in said support material, the sum of the pore volume present in micro-pores and in mesopores is less than 0.20 ml per gram of catalyst, and wherein the pore volume V-Hg, as measured by mercury intrusion porosimetry, is at least 0.30 ml/g. <??>The invention further relates to processes for desulfurization of gases containing sulfur compounds, such as H₂S in which this catalyst system is used.

IPC 1-7
B01D 53/86; **B01J 23/745**; **B01J 35/10**; **C01B 17/04**

IPC 8 full level
B01D 53/86 (2006.01); **B01J 23/745** (2006.01); **B01J 35/10** (2006.01); **C01B 17/04** (2006.01); **B01J 21/08** (2006.01)

CPC (source: EP)
B01D 53/8612 (2013.01); **B01J 23/745** (2013.01); **B01J 35/60** (2024.01); **C01B 17/04** (2013.01); **C01B 17/0465** (2013.01); **C01B 17/0469** (2013.01); **B01J 21/08** (2013.01); **B01J 35/651** (2024.01); **B01J 35/66** (2024.01)

Citation (search report)
See references of WO 2004069387A1

Citation (examination)
US 4478800 A 19841023 - VAN DER WAL WILLEM J J [NL], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1447124 A1 20040818; EP 1590068 A1 20051102; EP 1590069 A1 20051102; WO 2004069386 A1 20040819; WO 2004069387 A1 20040819

DOCDB simple family (application)
EP 03075345 A 20030204; EP 04707693 A 20040203; EP 04707694 A 20040203; NL 2004000076 W 20040203; NL 2004000077 W 20040203