

Title (en)  
PROCESS FOR REMOVING CARBON MONOXIDE AND/OR GASEOUS SULFUR COMPOUNDS FROM HYDROGEN GAS AND/OR ALIPHATIC HYDROCARBONS

Title (de)  
VERFAHREN ZUR ENTFERNUNG VON KOHLENMONOXID UND/ODER GASFÖRMIGEN SCHWEFELVERBINDUNGEN AUS WASSERSTOFFGAS UND/ODER ALIPHATISCHEN KOHLENWASSERSTOFFEN

Title (fr)  
PROCÉDÉ D'ÉLIMINATION DE DIOXYDE DE CARBONE ET/OU DE COMPOSÉS SOUFRÉS GAZEUX DE L'HYDROGÈNE GAZEUX ET/OU DES HYDROCARBURES ALIPHATIQUES

Publication  
**EP 3993896 A1 20220511 (DE)**

Application  
**EP 20746946 A 20200726**

Priority  
• DE 102019211379 A 20190730  
• EP 2020071066 W 20200726

Abstract (en)  
[origin: WO2021018809A1] The present invention relates to a process for removing carbon dioxide and/or gaseous sulfur compounds from hydrogen gas and/or aliphatic hydrocarbons, preferably at low temperatures, with the aid of complex metal aluminium hydrides.

IPC 8 full level  
**B01D 53/48** (2006.01); **B01D 53/62** (2006.01); **B01D 53/82** (2006.01); **B01D 53/86** (2006.01); **H01M 8/0662** (2016.01); **H01M 8/0668** (2016.01); **H01M 8/10** (2016.01)

CPC (source: EP KR US)  
**B01D 53/48** (2013.01 - EP KR US); **B01D 53/62** (2013.01 - EP KR US); **B01D 53/82** (2013.01 - EP KR); **B01D 53/8603** (2013.01 - EP KR US); **B01D 53/864** (2013.01 - EP KR US); **H01M 8/0668** (2013.01 - EP KR US); **H01M 8/0675** (2013.01 - EP KR US); **B01D 2251/00** (2013.01 - EP KR); **B01D 2255/2092** (2013.01 - EP KR); **B01D 2256/16** (2013.01 - EP KR US); **B01D 2256/24** (2013.01 - EP KR US); **B01D 2257/30** (2013.01 - EP KR US); **B01D 2257/502** (2013.01 - EP KR US); **Y02A 50/20** (2018.01 - KR); **Y02C 20/40** (2020.08 - EP KR); **Y02E 60/50** (2013.01 - EP KR)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2021018809 A1 20210204**; **WO 2021018809 A8 20211230**; CA 3145150 A1 20210204; CN 114302765 A 20220408; CN 114302765 B 20240611; DE 102019211379 A1 20210204; EP 3993896 A1 20220511; JP 2022543750 A 20221014; KR 20220040477 A 20220330; US 2022266195 A1 20220825

DOCDB simple family (application)  
**EP 2020071066 W 20200726**; CA 3145150 A 20200726; CN 202080052480 A 20200726; DE 102019211379 A 20190730; EP 20746946 A 20200726; JP 2022505427 A 20200726; KR 20227006303 A 20200726; US 202017631751 A 20200726