

Title (en)

IMPROVED METHOD OF REMOVING HYDROGEN SULFIDE

Title (de)

VERBESSERTES VERFAHREN ZUR BESEITIGUNG VON WASSERSTOFFSULFID

Title (fr)

PROCÉDÉ AMÉLIORÉ POUR EXTRAIRE DU SULFURE D'HYDROGÈNE

Publication

EP 2593534 A2 20130522 (EN)

Application

EP 11807421 A 20110713

Priority

- US 83580510 A 20100714
- US 2011043780 W 20110713

Abstract (en)

[origin: US2012012506A1] The invention provides a method of removing hydrogen sulfide from hydrocarbon fluids. The method involves using a nitroxide molecule to promote a sulfide scavenger such as alkyl-triazine. The nitroxide effectively accelerates the scavenger's activity. This allows for the avoidance of the introduction of halides into the hydrocarbon stream.

IPC 8 full level

C07C 7/152 (2006.01); **C10G 29/20** (2006.01)

CPC (source: EP KR US)

C07C 7/152 (2013.01 - KR); **C10G 29/00** (2013.01 - KR); **C10G 29/20** (2013.01 - EP KR US); **C10G 2300/202** (2013.01 - EP US); **C10G 2300/207** (2013.01 - EP US)

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

DOCDB simple family (publication)

US 2012012506 A1 20120119; AR 082847 A1 20130116; BR 112013000887 A2 20160517; CA 2805402 A1 20120119; CA 2805402 C 20180313; CN 103003395 A 20130327; EP 2593534 A2 20130522; EP 2593534 A4 20140423; JP 2013532735 A 20130819; JP 5815699 B2 20151117; KR 20130047738 A 20130508; MX 2013000511 A 20130227; RU 2013102415 A 20140820; RU 2562610 C2 20150910; SG 187080 A1 20130328; WO 2012009391 A2 20120119; WO 2012009391 A3 20120510

DOCDB simple family (application)

US 83580510 A 20100714; AR P110102527 A 20110713; BR 112013000887 A 20110713; CA 2805402 A 20110713; CN 201180034709 A 20110713; EP 11807421 A 20110713; JP 2013519782 A 20110713; KR 20137003668 A 20110713; MX 2013000511 A 20110713; RU 2013102415 A 20110713; SG 2013003025 A 20110713; US 2011043780 W 20110713