

Title (en)

REMOVAL OF CO<sub>2</sub> FROM GASES HAVING LOW CO<sub>2</sub> PARTIAL PRESSURES, USING 1,2 DIAMINOPROPANE

Title (de)

CO<sub>2</sub> -ENTFERNUNG AUS GASEN MIT NIEDRIGEN CO<sub>2</sub> -PARTIALDRÜCKEN MITTELS 1,2 DIAMINOPROPAN

Title (fr)

ELIMINATION DU CO<sub>2</sub> PRESENT DANS DES GAZ DONT LA PRESSION PARTIELLE DU CO<sub>2</sub> EST FAIBLE, AU MOYEN DE 1,2 DIAMINOPROPANE

Publication

**EP 2547423 A1 20130123 (DE)**

Application

**EP 10798964 A 20101220**

Priority

- DE 102010004073 A 20100105
- EP 2010007799 W 20101220

Abstract (en)

[origin: WO2011082807A1] Use of an absorption agent for removing acid gases from a fluid flow, comprising an aqueous solution of 1,2-diaminopropane.

IPC 8 full level

**B01D 53/14** (2006.01)

CPC (source: EP KR US)

**B01D 53/14** (2013.01 - KR); **B01D 53/1475** (2013.01 - EP US); **B01D 53/1493** (2013.01 - EP US); **B01D 53/62** (2013.01 - EP KR US); **B01D 2252/103** (2013.01 - EP US); **B01D 2252/2041** (2013.01 - EP US); **B01D 2252/20421** (2013.01 - EP US); **B01D 2252/504** (2013.01 - EP US); **B01D 2257/504** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP US); **Y02C 20/40** (2020.08 - EP US)

Citation (search report)

See references of WO 2011082807A1

Citation (examination)

- FR 2969504 A1 20120629 - IFP ENERGIES NOUVELLES [FR]
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- SINGH P ET AL: "Structure and activity relationships for CO<sub>2</sub> regeneration from aqueous amine-based absorbents", PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, INSTITUTION OF CHEMICAL ENGINEERS, RUGBY, GB, vol. 86, no. 5, 1 September 2008 (2008-09-01), pages 347 - 359, XP024521978, ISSN: 0957-5820, [retrieved on 20080609], DOI: 10.1016/J.PSEP.2008.03.005
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- ALEXANDER K VOICE ET AL: "Oxidation of amines at absorber conditions for CO<sub>2</sub> capture from flue gas", ENERGY PROCEDIA, vol. 4, pages 171 - 178, XP028212898, ISSN: 1876-6102, [retrieved on 20110401], DOI: 10.1016/J.EGYPRO.2011.01.038

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DOCDB simple family (publication)

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DOCDB simple family (application)

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