Title (en)

METHOD FOR ABSORPTION OF CO2 FROM A GAS MIXTURE

Title (de)

VERFAHREN ZUR ABSORPTION VON CO2 AUS EINER GASMISCHUNG

Title (fr)

PROCÉDÉ POUR L'ABSORPTION DE CO2 CONTENU DANS UN MÉLANGE GAZEUX

Publication

EP 2720778 A1 20140423 (DE)

Application

EP 12724124 A 20120525

Priority

- EP 11169501 A 20110610
- EP 2012059818 W 20120525
- EP 12724124 A 20120525

Abstract (en)

[origin: EP2532413A1] Absorption of carbon dioxide from a gas mixture comprises contacting the gas mixture with an absorption medium comprising water and an amine compound (I), at an initial partial pressure of carbon dioxide of 0.01-0.6 bar, where the absorption medium does not contain amines with more than two nitrogen atoms. Absorption of carbon dioxide from a gas mixture comprises contacting the gas mixture with an absorption medium comprising water and an amine compound of formula (I), at an initial partial pressure of carbon dioxide of 0.01-0.6 bar, where the absorption medium does not contain amines with more than two nitrogen atoms. R : 1-4C-n-alkyl, preferably n-butyl. An independent claim is included for [Image].

IPC 8 full level

B01D 53/14 (2006.01); **B01D 53/62** (2006.01); **C07D 211/58** (2006.01); **C10L 3/10** (2006.01); **F23J 15/04** (2006.01)

CPC (source: EP US)

B01D 53/1475 (2013.01 - EP US); **B01D 53/1493** (2013.01 - EP US); **B01D 53/62** (2013.01 - US); **C07D 211/58** (2013.01 - EP US); **C10L 3/104** (2013.01 - EP US); **F23J 15/04** (2013.01 - EP US); B01D 53/78 (2013.01 - EP US); B01D 2252/20442 (2013.01 - EP US); B01D 2258/0283 (2013.01 - EP US); B01D 2258/05 (2013.01 - EP US); F23J 2215/50 (2013.01 - EP US); F23J 2219/40 (2013.01 - EP US); Y02C 20/40 (2020.08 - EP US); Y02E 20/32 (2013.01 - EP US); Y02P 20/151 (2015.11 - EP US)

Citation (search report)

See references of WO 2012168094A1

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)

EP 2532413 A1 20121212; EP 2720778 A1 20140423; US 2014120016 A1 20140501; WO 2012168094 A1 20121213

DOCDB simple family (application)

EP 11169501 A 20110610; EP 12724124 A 20120525; EP 2012059818 W 20120525; US 201214124347 A 20120525