

Title (en)
METHOD FOR LIMITING THE DEGRADATION OF AN ABSORBENT SOLUTION USING A DEGRADATION INHIBITOR HAVING A
THIOCARBONYL FUNCTIONAL GROUP

Title (de)
VERFAHREN ZUR BEGRENZUNG DES ABBAUS EINER ABSORBIERENDEN LÖSUNG MIT DER VERWENDUNG EINES ABBAUHEMMERS
MIT EINER THIOCARBONYLFUNKTIONSGRUPPE

Title (fr)
MÉTHODE POUR LIMITER LA DÉGRADATION D'UNE SOLUTION ABSORBANTE PAR L'EMPLOI D'UN INHIBITEUR DE DÉGRADATION À
FONCTION THIOCARBONYLE

Publication
EP 2300637 A1 20110330 (FR)

Application
EP 09769459 A 20090623

Priority
• FR 2009000774 W 20090623
• FR 0803680 A 20080627

Abstract (en)
[origin: WO2009156618A1] The degradation of an absorbent solution comprising organic compounds provided with an amino functional group, in aqueous solution, is substantially reduced in the presence of a small amount of degradation-inhibiting agents having a thiocarbonyl functional group which are defined by the general formula: Formula (I). The absorbent solution is used to deacidify a gaseous effluent.

IPC 8 full level
B01D 53/14 (2006.01); **C01B 3/52** (2006.01); **C07C 209/90** (2006.01); **C07C 213/10** (2006.01); **C07C 227/44** (2006.01); **C07C 303/42** (2006.01); **C09K 15/28** (2006.01); **C10K 1/14** (2006.01); **C10L 3/10** (2006.01); **C23F 11/16** (2006.01)

CPC (source: EP)
B01D 53/1456 (2013.01); **B01D 53/1493** (2013.01); **C01B 3/52** (2013.01); **C07C 209/90** (2013.01); **C07C 213/10** (2013.01); **C07C 227/44** (2013.01); **C07C 303/42** (2013.01); **C10K 1/143** (2013.01); **C10L 3/10** (2013.01); **C10L 3/102** (2013.01); **B01D 2251/21** (2013.01); **B01D 2251/80** (2013.01); **C01B 2203/0415** (2013.01); **C01B 2203/0475** (2013.01); **C01B 2203/0485** (2013.01); **Y02C 20/40** (2020.08); **Y02E 50/30** (2013.01)

Citation (search report)
See references of WO 2009156618A1

Citation (examination)
C. GOUEDARD ET AL.: "Amine dégradation in CO2 capture. I. A review", INTERNATIONAL JOURNAL OF GREENHOUSE GAS CONTROL, vol. 10, 1 January 2012 (2012-01-01), pages 244 - 270

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009156618 A1 20091230; EP 2300637 A1 20110330; FR 2933001 A1 20100101; FR 2933001 B1 20100820

DOCDB simple family (application)
FR 2009000774 W 20090623; EP 09769459 A 20090623; FR 0803680 A 20080627