

Title (en)
INTEGRATED PROCESS FOR CAPTURING CARBON DIOXIDE

Title (de)
INTEGRIERTES VERFAHREN ZUR ABSCHIEDUNG VON KOHLENDIOXID

Title (fr)
PROCÉDÉ INTÉGRÉ DE CAPTURE DE DIOXYDE DE CARBONE

Publication
EP 3411139 A1 20181212 (EN)

Application
EP 17748275 A 20170203

Priority

- US 201662290519 P 20160203
- US 201662309666 P 20160317
- US 201662325620 P 20160421
- US 201662363445 P 20160718
- US 201662375471 P 20160816
- US 2017016512 W 20170203

Abstract (en)
[origin: WO2017136728A1] The invention pertains to an integrated process for capturing CO₂. The process involves desorbing gaseous CO₂ from a CO₂ containing aqueous solution comprising carbonate, bicarbonate, sesquicarbonate, carbamate, or a mixture thereof. The desorbing of gaseous CO₂ is conducted in the presence of a suitable water soluble substance. If desired, the process may also at least partially recover the soluble substance using a membrane, distillation, or another technique.

IPC 8 full level
B01J 20/00 (2006.01); **B01D 53/02** (2006.01); **B01D 53/12** (2006.01)

CPC (source: EP)
B01D 53/1475 (2013.01); **B01D 53/229** (2013.01); **B01D 53/62** (2013.01); **B01D 53/75** (2013.01); **B01D 53/77** (2013.01); **B01D 61/58** (2013.01); **B01D 2251/206** (2013.01); **B01D 2252/2026** (2013.01); **B01D 2252/2028** (2013.01); **B01D 2257/504** (2013.01); **Y02C 20/40** (2020.08)

Citation (search report)
See references of WO 2017136728A1

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 2017136728 A1 20170810; CA 3013762 A1 20170810; CN 109070047 A 20181221; EP 3411139 A1 20181212

DOCDB simple family (application)
US 2017016512 W 20170203; CA 3013762 A 20170203; CN 201780022121 A 20170203; EP 17748275 A 20170203