

Title (en)
METHOD FOR STORING EXCESS ENERGY

Title (de)
VERFAHREN ZUR SPEICHERUNG VON ÜBERSCHUSSENERGIE

Title (fr)
PROCÉDÉ DE STOCKAGE D'ÉNERGIE EXCÉDENTAIRE

Publication
EP 3010997 A1 20160427 (DE)

Application
EP 14730535 A 20140617

Priority
• EP 13172441 A 20130618
• EP 2014062631 W 20140617
• EP 14730535 A 20140617

Abstract (en)
[origin: CA2915918A1] The invention relates to a method for utilizing gases containing CO and/or CO₂, which method comprises the following steps: A) providing a gas flow of the gas containing CO and/or CO₂, B) converting at least a portion of the gas flow into electrical energy, C) transforming at least a portion of the gas flow into at least one organic substance using a biotechnological fermentation process, and possibly D) repeating method steps B) and C).

IPC 8 full level
C10K 3/00 (2006.01)

CPC (source: EP RU US)
C10K 3/00 (2013.01 - EP RU US); **C12M 29/00** (2013.01 - RU US); **C12M 43/04** (2013.01 - RU US); **C12M 43/08** (2013.01 - RU US); **C12P 7/065** (2013.01 - RU US); **C12P 7/42** (2013.01 - RU US); **C12P 7/54** (2013.01 - RU US); **F01K 11/02** (2013.01 - RU US); **F02C 6/14** (2013.01 - RU US); **Y02E 50/10** (2013.01 - EP US)

Citation (examination)
WO 2008028055 A2 20080306 - UNIV OKLAHOMA STATE [US], et al

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)
EP 2816096 A1 20141224; **EP 2816096 B1 20210512**; BR 112015031902 A2 20170725; BR 112015031902 B1 20220315; CA 2915918 A1 20141224; CN 105555926 A 20160504; CN 105555926 B 20181002; EP 3010997 A1 20160427; ES 2876228 T3 20211112; KR 102254783 B1 20210521; KR 20160021824 A 20160226; MX 2015016964 A 20160425; RU 2016101016 A 20170724; RU 2663728 C2 20180808; US 2016137969 A1 20160519; WO 2014202557 A1 20141224

DOCDB simple family (application)
EP 13172441 A 20130618; BR 112015031902 A 20140617; CA 2915918 A 20140617; CN 201480035229 A 20140617; EP 14730535 A 20140617; EP 2014062631 W 20140617; ES 13172441 T 20130618; KR 20167000869 A 20140617; MX 2015016964 A 20140617; RU 2016101016 A 20140617; US 201414898679 A 20140617