

Title (en)
METHOD FOR PRODUCING ORGANIC COMPOUNDS VIA FERMENTATION OF BIOMASS AND ZEOLITE CATALYSIS

Title (de)
VERFAHREN ZUR HERSTELLUNG ORGANISCHER VERBINDUNGEN VIA FERMENTATION VON BIOMASSE UND ZEOLITH-KATALYSE

Title (fr)
PROCÉDÉ DE PRÉPARATION DE COMPOSÉS ORGANIQUES PAR FERMENTATION D'UNE BIOMASSE ET PAR CATALYSE PAR UNE ZÉOLITHE

Publication
EP 2655639 A1 20131030 (DE)

Application
EP 11813677 A 20111223

Priority
• EP 10196776 A 20101223
• EP 2011073963 W 20111223
• EP 11813677 A 20111223

Abstract (en)
[origin: EP2468874A1] Producing organic compound comprises (a) fermentatively converting biomass to volatile organic compounds in a bioreactor, (b) removing volatile organic compounds by gas-stripping using a carrier gas, (c) carrying out the adsorption of volatile organic compounds of the gas stream, (d) carrying out desorption of the adsorbed volatile organic compounds by an adsorber, and (e) catalytically converting the volatile organic compounds.

IPC 8 full level
C12P 7/02 (2006.01); **B01D 3/00** (2006.01); **B01D 53/00** (2006.01); **C07C 1/20** (2006.01); **C07C 1/24** (2006.01); **C07C 11/00** (2006.01); **C07C 15/00** (2006.01); **C07C 29/76** (2006.01); **C12P 7/24** (2006.01); **C12P 7/40** (2006.01)

CPC (source: EP KR US)
B01D 3/00 (2013.01 - KR); **B01D 3/004** (2013.01 - EP US); **C07C 1/20** (2013.01 - KR); **C07C 29/76** (2013.01 - EP US); **C10G 3/42** (2013.01 - EP US); **C12P 5/002** (2013.01 - EP US); **C12P 5/005** (2013.01 - EP US); **C12P 5/02** (2013.01 - EP US); **C12P 5/026** (2013.01 - US); **C12P 7/02** (2013.01 - KR); **C12P 7/10** (2013.01 - EP US); **C12P 7/16** (2013.01 - EP US); **C12P 7/24** (2013.01 - KR); **C12P 7/28** (2013.01 - EP US); **B01D 53/02** (2013.01 - EP US); **B01D 2253/108** (2013.01 - EP US); **B01D 2256/24** (2013.01 - EP US); **B01J 29/06** (2013.01 - EP US); **B01J 29/40** (2013.01 - EP US); **B01J 2229/42** (2013.01 - EP US); **C10G 2300/1011** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP); **Y02E 50/10** (2013.01 - EP US); **Y02E 50/30** (2013.01 - EP); **Y02P 30/20** (2015.11 - EP US); **Y02T 50/678** (2013.01 - EP US)

C-Set (source: EP US)
C07C 29/76 + **C07C 31/08**

Citation (search report)
See references of WO 2012085275A1

Cited by
CN110339589A

Designated contracting state (EPC)
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EP 2468874 A1 20120627; **EP 2468874 B1 20140625**; AU 2011347168 A1 20130905; AU 2011347168 B2 20150319; BR 112013016073 A2 20161004; CA 2826421 A1 20120628; CA 2826421 C 20151124; CN 103370419 A 20131023; EP 2655639 A1 20131030; ES 2507240 T3 20141014; JP 2014508120 A 20140403; JP 5789306 B2 20151007; KR 101505878 B1 20150325; KR 20130106871 A 20130930; MY 160137 A 20170228; PL 2468874 T3 20141128; RU 2013134233 A 20150127; RU 2573926 C2 20160127; SG 192580 A1 20130930; UA 105601 C2 20140526; US 2014017751 A1 20140116; WO 2012085275 A1 20120628

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EP 10196776 A 20101223; AU 2011347168 A 20111223; BR 112013016073 A 20111223; CA 2826421 A 20111223; CN 201180066688 A 20111223; EP 11813677 A 20111223; EP 2011073963 W 20111223; ES 10196776 T 20101223; JP 2013545431 A 20111223; KR 20137019469 A 20111223; MY PI2013002748 A 20111223; PL 10196776 T 20101223; RU 2013134233 A 20111223; SG 2013056247 A 20111223; UA A201309063 A 20111223; US 201113996817 A 20111223