

Title (en)

BIOSTIMULATION OF THE HYDROLYSIS OF ORGANIC MATTER FOR OPTIMIZING THE ENERGY RECOVERY THEREFROM

Title (de)

BIOSTIMILIERUNG DER HYDROLYSE DER ORGANISCHEN ANGELEGUNG ZUR OPTIMIERUNG DER ENERGIEWIEDERAUFNAHME

Title (fr)

BIOSTIMULATION IN-SITU DE L'HYDROLYSE DE LA MATIÈRE ORGANIQUE POUR OPTIMISER SA VALORISATION ÉNERGÉTIQUE

Publication

EP 3234169 A1 20171025 (FR)

Application

EP 15823660 A 20151217

Priority

- FR 1462722 A 20141218
- FR 2015053603 W 20151217

Abstract (en)

[origin: WO2016097638A1] The subject matter of the present invention is a process for treating organic waste coupling in-situ biostimulation to produce hydrolytic enzymes and hydrolysis of the refractory organic matter from waste using these enzymes for the purpose of energy recovery.

IPC 8 full level

C12P 19/14 (2006.01); **B09B 3/00** (2006.01); **C02F 3/34** (2006.01); **C02F 11/02** (2006.01); **C05F 17/00** (2006.01); **C12P 5/02** (2006.01); **C12P 19/02** (2006.01)

CPC (source: EP US)

B09B 3/80 (2022.01 - EP US); **B09B 5/00** (2013.01 - EP US); **C05F 17/50** (2020.01 - EP US); **C12P 5/023** (2013.01 - EP US); **C12P 19/02** (2013.01 - EP US); **C12P 19/14** (2013.01 - EP US); **C12Y 302/01004** (2013.01 - EP US); **C12Y 302/01021** (2013.01 - EP US); **C12P 21/00** (2013.01 - EP US); **C12P 2201/00** (2013.01 - US); **Y02E 50/30** (2013.01 - EP US); **Y02P 20/145** (2015.11 - EP US); **Y02P 20/582** (2015.11 - EP US); **Y02P 20/59** (2015.11 - EP US); **Y02W 30/20** (2015.05 - EP US); **Y02W 30/40** (2015.05 - EP US)

Citation (search report)

See references of WO 2016097638A1

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 2016097638 A1 20160623; AU 2015365750 A1 20170706; AU 2015365750 A8 20170720; AU 2015365750 B2 20191205; CA 2970113 A1 20160623; EP 3234169 A1 20171025; FR 3030573 A1 20160624; FR 3030573 B1 20210611; US 10457967 B2 20191029; US 2018023106 A1 20180125

DOCDB simple family (application)

FR 2015053603 W 20151217; AU 2015365750 A 20151217; CA 2970113 A 20151217; EP 15823660 A 20151217; FR 1462722 A 20141218; US 201515537800 A 20151217