

Title (en)

DEVICE AND METHOD FOR PRODUCING BIOGAS FROM ORGANIC MATTERS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERZEUGUNG VON BIOGAS AUS ORGANISCHEN STOFFEN

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR PRODUIRE DU BIOGAZ À PARTIR DE SUBSTANCES ORGANIQUES

Publication

EP 2268787 A2 20110105 (DE)

Application

EP 08856499 A 20081125

Priority

- DE 2008001956 W 20081125
- DE 102007058967 A 20071207

Abstract (en)

[origin: WO2009071053A2] The invention relates to a device for producing biogas from organic matters, comprising a biogas reactor (210) forming at least one chamber (220, 230, 232), wherein a defined mixture made of fresh substrate comprising organic matters and recirculate comprising organic matters can be supplied to said biogas reactor via a mixing unit (286). According to the invention a controller is provided, which is suited to control a supply of the recirculate and/or of the fresh substrate to the mixing unit (286) at least as a function of a variable correlating with a fresh substrate composition of the fresh substrate supplied to the mixing unit (286) in order to obtain the defined mixture. In addition, the invention also relates to a corresponding method for producing biogas from organic matters.

IPC 8 full level

C12M 1/107 (2006.01); **C12P 5/02** (2006.01)

CPC (source: EP)

C12M 21/04 (2013.01); **C12M 23/00** (2013.01); **C12M 27/20** (2013.01); **C12M 29/18** (2013.01); **C12M 41/26** (2013.01); **C12P 5/023** (2013.01); **Y02E 50/30** (2013.01)

Citation (search report)

See references of WO 2009071053A2

Cited by

US10590439B2; US11193143B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007058967 A1 20090610; EP 2268787 A2 20110105; WO 2009071053 A2 20090611; WO 2009071053 A3 20091203

DOCDB simple family (application)

DE 102007058967 A 20071207; DE 2008001956 W 20081125; EP 08856499 A 20081125