

Title (en)

IMPROVEMENTS RELATING TO ANAEROBIC DIGESTER SYSTEMS AND METHODS

Title (de)

VERBESSERUNGEN BEZÜGLICH ANAEROBER VERGÄRERSYSTEME UND VERFAHREN

Title (fr)

AMÉLIORATIONS CONCERNANT LES SYSTÈMES DE DIGESTION ANAÉROBIE ET PROCÉDÉS

Publication

EP 3755790 A1 20201230 (EN)

Application

EP 19704832 A 20190220

Priority

- EP 18157887 A 20180221
- EP 2019054160 W 20190220

Abstract (en)

[origin: WO2019162299A1] A biomass treatment system (1) comprises a separator (22), a microwave reactor (27), a pump (35) to deliver solids output from the separator to the microwave reactor. There is a reactor outlet (28) with a valve (45, 46) for delivering microwave-treated digestate to an external AD (100). A controller (20) controls the separator to provide feedstock with a desired solids content to the microwave reactor (27) and controls the microwave reactor for desired treatment of the feedstock. The system (1) is modular with couplers for coupling to an AD system (100-103) to provide a combined system, in which the microwave reactor (27) provides treated feedstock for an AD.

IPC 8 full level

C12M 1/107 (2006.01); **C12M 1/00** (2006.01)

CPC (source: EP)

C12M 21/04 (2013.01); **C12M 45/07** (2013.01); **C12M 45/20** (2013.01); **Y02E 50/30** (2013.01)

Citation (search report)

See references of WO 2019162299A1

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 2019162299 A1 20190829; EP 3755790 A1 20201230

DOCDB simple family (application)

EP 2019054160 W 20190220; EP 19704832 A 20190220