

Title (en)

APPARATUS FOR PROCESSING ORGANIC WASTE

Title (de)

VORRICHTUNG ZUR VERARBEITUNG VON BIOMÜLL

Title (fr)

APPAREIL DE TRAITEMENT DE DÉCHETS ORGANIQUES

Publication

EP 2619515 B1 20160720 (EN)

Application

EP 11745748 A 20110805

Priority

- IT 2010000363 W 20100809
- EP 2011063569 W 20110805

Abstract (en)

[origin: WO2012019977A1] An apparatus for the processing of wet organic waste is disclosed. It comprises a heated treatment chamber (4) wherein a stirrer and an outflow circuit of vapor-rich air are housed, intended to carry on a drying treatment on said waste, said treatment chamber consisting of a heated, basket-shaped body (40) with an upper mouth (41, 10) sealed in an airtight manner by a relative lid (11), said outflow circuit is also arranged in an airtight manner and puts in communication said heated basket (4) with a condensation unit (5) in turn in airtight communication with a removable drawer (6b) for condensate collection, wherein the apparatus further houses a double mixing system comprising a mixing arm (42), rotatably mounted on a main rotation axis within said heated basket-shaped body (4), and a helical screw (44) housed in an auxiliary chamber (40a) in communication with and arranged on the side of said basket-shaped body (40), said helical screw (44) having a second rotating axis not parallel to said main axis and said helical screw (44) being apt to sweep at least an area adjacent to said arm (42) and wherein at least said helical screw (44) is able to be rotated clockwise and counter clockwise, in one of the two directions the screw (44) within the auxiliary chamber operating as a rising hopper.

IPC 8 full level

F26B 9/00 (2006.01); **F26B 11/14** (2006.01)

CPC (source: EP)

F26B 9/003 (2013.01); **F26B 11/14** (2013.01)

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

DOCDB simple family (publication)

WO 2012019977 A1 20120216; EP 2619515 A1 20130731; EP 2619515 B1 20160720; TW 201221238 A 20120601;
WO 2012020434 A1 20120216

DOCDB simple family (application)

EP 2011063569 W 20110805; EP 11745748 A 20110805; IT 2010000363 W 20100809; TW 100128162 A 20110808