

Title (en)

APPARATUS FOR RECEIVING AND CONDITIONING ORGANIC WASTE BY ANAEROBIC BIOCONVERSION

Title (de)

VORRICHTUNG ZUR AUFNAHME UND KONDITIONIERUNG VON ORGANISCHEN ABFÄLLEN DURCH ANAEROBE BIOKONVERSION

Title (fr)

APPAREIL DE RECEPTION ET DE CONDITIONNEMENT DE DECHETS ORGANIQUES PAR BIOCONVERSION ANAEROBIE

Publication

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Application

EP 13779629 A 20130730

Priority

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- IB 2013056263 W 20130730

Abstract (en)

[origin: WO2014020544A1] An apparatus for receiving and processing organic waste by anaerobic bioconversion comprising a closed tank (1) which is the bioconversion site, provided in the top portion thereof with a gasometric bell (4) for storing and pressurising the biogas produced, around which the external members of the apparatus are distributed on a pod (6) which also forms the support for a body of the digester. The tank, (1) in a preferred embodiment, comprises a main enclosure which is the bioconversion site, and a secondary central enclosure called the crop (2), intended to receive and store the organic waste to be processed before the dosing of same into the main enclosure to complete the bioconversion. The crop (2) forms a removable subassembly that can be configured in different ways, with a circulation and distribution block (3) on which it is secured and with a liquid-solid phase separator (2.2) which is mounted over same. This subassembly engages with a mechanical stirrer (2.3) for stirring the fermentative medium contained inside the tank (1), driven by the gasometric bell (4), which is centred and rotated by a drive device, for example one carried by the arm (5.1) of a telescopic bracket (5) mounted over same, or by a drive ring (5.41).

IPC 8 full level

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Citation (search report)

See references of WO 2014020544A1

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