

Title (en)

BIOGAS PLANT AND PROCESS WITH IMMOBILISED BACTERIA

Title (de)

BIOGASANLAGE UND VERFAHREN MIT IMMOBILISIERTEN BAKTERIEN

Title (fr)

USINE A BIOGAZ ET PROCEDE A BACTERIES IMMOBILISEES

Publication

**EP 2032685 A1 20090311 (EN)**

Application

**EP 06818125 A 20061122**

Priority

- DK 2006000657 W 20061122
- DK BA200500270 U 20051123

Abstract (en)

[origin: WO2007059777A1] Device and method for biogas production by digestion of waste water or manure. The device consists of four compartments and the substrate is led to flow from the first via the second and third, to the fourth tank. The tanks contain a mesh where microorganisms effecting the methanation are immobilised. The method is characterised by the start-up procedure during which the digester is fed to a certain extent with degraded substrate, ie methanation feed. In consequence the growth rate of methanation microorganisms is increased, ensuring a high concentration of methanation organisms in the digester.

IPC 8 full level

**C12M 1/107** (2006.01); **A01C 3/02** (2006.01); **C02F 3/28** (2006.01); **C02F 11/04** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2007059777A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

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