

Title (en)

APPARATUS AND METHOD FOR ANAEROBIC DIGESTION OF BIODEGRADABLE WASTE MATERIAL

Publication

EP 0000293 B1 19820602 (EN)

Application

EP 78300116 A 19780704

Priority

GB 2818377 A 19770705

Abstract (en)

[origin: US4179220A] Apparatus for anaerobic digestion of biodegradable waste material comprises a closed substantially vertical cylindrical tank containing a mixing assembly which comprises an annular gas-holding member connected to a gas distribution arm extending substantially radially outwardly from the annular gas-holding member towards the periphery of the tank. Both the annular gas-holding member and the gas distribution arm have open lower surfaces, and the gas distribution arm has exhaust apertures spaced along the length of the arm for delivering gas from the gas-holding member at different radial distances along the arm. The mixing assembly is rotatable about the central axis of the tank, with which axis the annular gas-holding member is concentrically located, and gas is supplied to the gas-holding member by a gas delivery duct having an outlet disposed beneath a part of the annulus defined by the annular gas-holding member.

IPC 1-7

C02F 3/28

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN109433795A; US2019002996A1; US5785424A; US4251370A; US5156778A; DE3324072A1; DE10127228A1; DE10127228B4; EP0619136A1; EP0861685A3; EP3456408A1; US6341889B1; WO9005582A3; US6241381B1; US6334704B2; WO2007140744A1; US6310028B1

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