

Title (en)

A METHOD AND A SYSTEM FOR EXPLOITATION OF GAS FROM WASTE DISPOSAL SITES

Title (de)

VERFAHREN UND EINRICHTUNG ZUR AUSNUTZUNG VON GAS AUS MÜLLDEPONIE

Title (fr)

PROCEDE ET SYSTEME D'EXPLOITATION DU GAZ PRODUIT DANS LES SITES DE DECHARGES D'ORDURES

Publication

EP 0686069 A1 19951213 (EN)

Application

EP 94908298 A 19940225

Priority

- DK 9400081 W 19940225
- DK 20693 A 19930225

Abstract (en)

[origin: WO9419120A1] A method and a system for exploitation of gas from waste disposal sites is described, that is biogas being generated during anaerob decomposition of the waste deposited on the disposal site, and where the gas is recovered through a recovering system consisting of a number of drillings (10) and via MPR-module (measuring pump and adjusting module) is lead to boiler or gas engine-driven generator with transformer for sale of produced energy as electricity to the electricity company and heat to heating consumers, where the gas from each single drilling (10) is lead to the MPR-module through separate tubes, that the per cent content of methane (CH₄) and oxygen (O₂) in the gas and the gas quantity from each drilling (10) currently is measured and adjusted by means of a common measuring and adjusting equipment, whereto gas from each single drilling (10) in turn is lead, and that the O₂-concentration in the gas continuously is measured on the suction side between the absorption manifold (12) and the compressor (34), for instance screw compressor.

IPC 1-7

B09B 1/00; C02F 11/04

IPC 8 full level

B09B 1/00 (2006.01); **C12M 1/107** (2006.01); **E21B 43/00** (2006.01); **G01N 33/00** (2006.01); **G01N 33/24** (2006.01); **G01N 33/497** (2006.01)

CPC (source: EP)

B09B 1/00 (2013.01); **C12M 21/04** (2013.01); **C12M 23/36** (2013.01); **C12M 41/34** (2013.01); **C12M 41/48** (2013.01); **C12M 43/08** (2013.01); **E21B 43/00** (2013.01); **G01N 33/0047** (2013.01); **G01N 33/241** (2013.01); **G01N 33/497** (2013.01); **Y02E 50/30** (2013.01)

Citation (search report)

See references of WO 9419120A1

Cited by

CN104234660A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9419120 A1 19940901; AU 6139594 A 19940914; CZ 217895 A3 19960117; DK 20693 D0 19930225; EP 0686069 A1 19951213; FI 953988 A0 19950824; FI 953988 A 19950913; HU 9502480 D0 19951030; NO 953340 D0 19950824; NO 953340 L 19951023; PL 310405 A1 19951211; SK 105195 A3 19960110

DOCDB simple family (application)

DK 9400081 W 19940225; AU 6139594 A 19940225; CZ 217895 A 19940225; DK 20693 A 19930225; EP 94908298 A 19940225; FI 953988 A 19950824; HU 9502480 A 19940225; NO 953340 A 19950824; PL 31040594 A 19940225; SK 105195 A 19940225