

Title (en)

Method for the treatment of combustible gas, and installation for carrying out the method.

Title (de)

Verfahren zur Behandlung von brennbarem Gas und Vorrichtung zur Anwendung des Verfahrens.

Title (fr)

Procédé de traitement de gaz combustible et installation pour la mise en oeuvre de ce procédé.

Publication

**EP 0099813 A2 19840201 (FR)**

Application

**EP 83401421 A 19830708**

Priority

FR 8212653 A 19820720

Abstract (en)

1. A method for treating fuel gases produced at variable quantity, characterized in that the gas is consumed in a boiler (13) at the rate of production, the pressure of the gas as admitted to the inlets of pressure increasing means (S1, S2) being previously raised by these means to the feed pressure of the boiler (13), that part of the gas pressurized to the feed pressure of the boiler is recirculated to the entry if the quantity of the produced gas becomes smaller than the predetermined rate of flow of the pressure increasing means (S1, S2) which increase the pressure of this produced gas to the boiler feed pressure, and that part of the gas which has been increased in pressure up to the feed pressure is burned off into the environment as being in excess in relation to the consumption rate of the boiler.

Abstract (fr)

Production et utilisation sans stockage haute pression de biogaz obtenu par fermentation anaérobie de déchets organiques. Selon l'invention, l'installation interconnectée entre la cuve de fermentation (11) et une chaudière d'utilisation (13) comporte au moins un surpresseur (S1, S2) destiné à porter le biogaz à une pression juste nécessaire pour l'alimentation de la chaudière et des moyens de recirculation d'une fraction du gaz comprimé (18) comportant notamment une vanne (21) pour maintenir constante la dépression en amont du ou des surpresseurs. Application au traitement des déchets organiques, notamment dans le traitement des pommes de terre.

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