

Title (en)
METHOD FOR PRODUCING BIOGAS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON BIOGAS

Title (fr)
PROCEDE DE PRODUCTION DE BIOGAZ

Publication
EP 1912900 A1 20080423 (DE)

Application
EP 06762885 A 20060728

Priority

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- DE 102005058771 A 20051209

Abstract (en)
[origin: WO2007014717A1] The invention relates to a method for producing biogas during which: (a) biomass is fermented under anaerobic conditions; with the exception that; (b) during the fermentation process, air and/or oxygen is/are dosed to the fermentation substrate containing the biomass. According to the invention, the method can be carried out in a single or multistage manner. In a preferred embodiment, a mechanical commutation of the substrate occurs before fermentation. The method is preferably used in the area of agricultural biogas production. In addition, an appropriate use in anaerobic refuse fermentation is possible, during which vegetable biomass can be used as a coenzyme on a case by case basis. The inventive method makes possible significantly higher yields of biogas than in prior art methods. In a particularly preferred embodiment, enzymes or algae preparations are added to the fermentation substrate.

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Citation (search report)
See references of WO 2007014717A1

Citation (third parties)
Third party :

- EP 0143149 A1 19850605 - LAHR ABWASSER [DE]
- DE 19725823 B4 20040708 - LINDE KCA DRESDEN GMBH [DE]
- DD 255722 A1 19880413 - DRESDEN KOMPLETTE CHEMIEANLAG [DD]
- MUNDING H.: "Untersuchungen zur reduzierung des schwefelwasserstoff-Bildung beim anaeroben abbau durch luftzugabe", BERICHT DES INSTITUTS FÜR INGENIEURBIOLOGIE UND BIOTECHNOLOGIE DES ABWASSERS, October 1987 (1987-10-01), KARLSRUHE
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