

Title (en)
METHOD FOR THE FERMENTATION OF ENSILAGED RENEWABLE RAW MATERIALS

Title (de)
VERFAHREN ZUR VERGÄRUNG SILIERTER NACHWACHSENDER ROHSTOFFE

Title (fr)
PROCÉDÉ DE FERMENTATION DE MATIÈRE PREMIÈRE RENOUVELABLE ENSILÉE

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Application
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Abstract (en)
[origin: CA2682008A1] The invention relates to the fields of biochemistry and energy generation and relates to a method for the fermentation of ensilaged renewable raw materials that may be subsequently used in a biogas production facility and have improved properties due to the pretreatment according to the invention. The method according to the invention may be used in the monofermentation of renewable raw materials and in co-fermentation with commercial fertilizers (for example, liquid manure) in agricultural biogas facilities or in co-fermentation with sewage in community sewage systems. The aim of the solution according to the invention is to provide a method by which the total times for the production of biogas are reduced and a lower fluctuation in quality of the produced biogas is achieved. This aim is attained by a method in which ensilaged renewable raw materials are first washed and mechanically comminuted, then the washed and comminuted ensilaged renewable raw materials, from which at least part of the washing water has been removed, are subjected to a separate hydrolysis, after which the hydrolysis products are subjected to the known method for the production of biogas in fermenters.

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