

Title (en)

METHOD FOR HYDROLYSIS OF PELLETIZABLE BIOMASSES USING HYDROHALIC ACIDS

Title (de)

VERFAHREN ZUR HYDROLYSE VON PELLETIERFÄHIGEN BIOMASSEN MITTELS HALOGENWASSERSTOFFSÄUREN

Title (fr)

PROCÉDÉ D'HYDROLYSE DE BIOMASSES PELLETISABLES AU MOYEN D'ACIDES HALOGÉNOHYDRIQUES

Publication

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Application

EP 13805738 A 20131011

Priority

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Abstract (en)

[origin: WO2014056484A1] The invention relates to the hydrolytic digestion of plant biomasses using hydrohalic acids, preferably hydrochloric acid. In the past, preferably wood-type biomasses were hydrolysed, since other types of biomasses, for example straw, can only be charged into the reactors in a much lower density and have a tendency to compact in the course of the method. The invention solves this problem by two modifications. Firstly, pelletizable biomasses are charged completely or in part in the form of pellets and a greatly increased filling density is thereby achieved. Secondly, the hydrolysis reactors are arranged at an incline, preferably between 30° and 60°, and compacting is prevented. For each pelletizable biomass, the economic efficiency of both modifications must be determined in practical experiments. It is possible that one of the two modifications can be dispensed with.

IPC 8 full level

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Citation (search report)

See references of WO 2014056484A1

Citation (examination)

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