

Title (en)
METHOD FOR REACTIVELY CRUSHING JATROPHA SEEDS

Title (de)
VERFAHREN ZUM REAKTIVEN ZERKLEINERN VON JATROPHA-SAMEN

Title (fr)
PROCEDE DE TRITURATION REACTIVE DES GRAINES DE JATROPHA

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Application
EP 11706876 A 20110126

Priority

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Abstract (en)
[origin: WO2011092430A1] The present invention relates to a method for reactively crushing jatropha seeds, said method making it possible, starting with specifically conditioned jatropha seeds in the presence of light alcohol and a basic catalyst, to carry out, in a single step, the crushing as well as the reaction for transesterifying the triglycerides present in the jatropha oil, thus causing an oil cake, glycerol, and fatty acid esters to be simultaneously produced. The method for processing the jatropha seeds, according to the invention, makes it possible to inactivate, in a simple, low-cost manner, the phorbol esters in addition to the curcine, thus enabling humans to handle the seeds without risk and moreover use the castor oil cake in animal feed. Characteristically, the seeds are conditioned by a series of operations that include a step of pressing the seeds and a step of drying same.

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