

Title (en)

PROCESS FOR DISINTEGRATING LIGNOCELLULOSIC MATERIAL IN A DRUM CHIPPER

Title (de)

VERFAHREN ZUR DESINTEGRATION VON LIGNOCELLULOSE MATERIAL IN EINEM TROMMELZERSPANER

Title (fr)

PROCÉDÉ DE DÉSINTÉGRATION DE MATÉRIAU LIGNOCELLULOSIQUE DANS UNE DÉCHIQUEUSE À TAMBOUR

Publication

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Application

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Abstract (en)

[origin: WO2016099380A1] The present invention relates to a process for disintegrating lignocellulosic material (1) in a drum chipper. The process includes that the lignocellulosic material (1) is introduced to the drum chipper via an input device (2) and that the disintegrated lignocellulosic material is analysed (9) regarding its configuration. The disintegration takes place in a drum chipper comprising a stand carrying a horizontal, rotatable rotor (26), whose periphery has a plurality of knives (30) and with each knife (30) cooperating radially adjustable wear plates (25) located at some distance from the knife edge, and a space for temporarily collecting the disintegrated lignocellulosic material between each pair of knives (30) and anvil steels. The process is characterized in that at least one process variable is changed during operation in the form of, that a certain cutting angle (ϵ) is set by regulation of the feeding device (2) position versus the rotor (26) and/or a specific T dimension is adjusted by changing the wear plate's (25) radial distance from the rotor (26) centre and/or that a certain cutting speed, i.e. the knife speed through the lignocellulosic material (1) is adjusted by changing the speed of the rotor (26).

IPC 8 full level

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