

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

EP 3233402 A4 20181024 (EN)

Application

EP 15870456 A 20151209

Priority

- SE 1400599 A 20141217
- SE 2015051317 W 20151209

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

B27L 11/02 (2006.01); **B27G 13/00** (2006.01); **B27G 13/02** (2006.01); **B27L 11/00** (2006.01)

CPC (source: EP SE)

B27G 13/04 (2013.01 - SE); **B27L 11/005** (2013.01 - EP SE); **B27L 11/02** (2013.01 - EP SE)

Citation (search report)

- [XY] DE 102005053006 B3 20070405 - WEIS GEORG [DE]
- [YD] SE 1100109 A1 20120819 - CELLWA AB [SE]
- See references of WO 2016099380A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2016099380 A1 20160623; EP 3233402 A1 20171025; EP 3233402 A4 20181024; EP 3233402 B1 20230802; EP 3233402 C0 20230802; SE 1400599 A1 20160618; SE 542730 C2 20200630

DOCDB simple family (application)

SE 2015051317 W 20151209; EP 15870456 A 20151209; SE 1400599 A 20141217