

Title (en)

APPARATUS AND METHOD FOR DRYING BIOMASS WITH A HIGH LIQUID CONTENT, IN PARTICULAR SLURRY

Title (de)

VORRICHTUNG UND VERFAHREN ZUM TROCKNEN VON BIOMASSE MIT HOHEM FLÜSSIGKEITSGEHALT, INSBESONDERE GÜLLE

Title (fr)

SYSTÈME ET PROCÉDÉ DE SÉCHAGE DE BIOMASSE À HAUTE TENEUR EN LIQUIDE, NOTAMMENT DE PURIN

Publication

EP 4013721 A1 20220622 (DE)

Application

EP 20751523 A 20200804

Priority

- DE 102019122001 A 20190815
- EP 2020071875 W 20200804

Abstract (en)

[origin: WO2021028261A1] The invention relates to an apparatus (10) for drying biomass with a high liquid content, in particular slurry, having a drying section via which the biomass for drying is able to be conveyed. The drying section comprises at least one closed drying surface (11a, 11b, 12a, 12b) over the area of which the biomass for drying can be applied. In order to apply the biomass to the at least one closed drying surface (11a, 11b, 12a, 12b) and to convey the biomass along the drying section, movable conveying elements (16) are provided. According to the invention, a mixing device (13), which is connected upstream of the drying section, is configured to thicken the biomass by adding dry granules. The invention also relates to a method for drying biomass with a high liquid content.

IPC 8 full level

C02F 11/14 (2019.01); **C02F 11/16** (2006.01); **F26B 1/00** (2006.01); **F26B 17/04** (2006.01); **C02F 103/20** (2006.01)

CPC (source: EP)

C02F 11/16 (2013.01); **F26B 1/00** (2013.01); **F26B 17/003** (2013.01); **F26B 25/002** (2013.01); **C02F 11/147** (2018.12); **C02F 2103/20** (2013.01); **C02F 2209/40** (2013.01); **F26B 2200/18** (2013.01); **Y02W 10/37** (2015.05)

Citation (search report)

See references of WO 2021028261A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2021028261 A1 20210218; DE 102019122001 A1 20210218; EP 4013721 A1 20220622

DOCDB simple family (application)

EP 2020071875 W 20200804; DE 102019122001 A 20190815; EP 20751523 A 20200804