

Title (en)

PROCESS FOR OBTAINING CELLULOSE FROM PLANT MATERIAL

Title (de)

VERFAHREN ZUR GEWINNUNG VON ZELLULOSE AUS PFLANZENMATERIAL

Title (fr)

PROCÉDÉ D'OBTENTION DE CELLULOSE À PARTIR DE MATIÈRE VÉGÉTALE

Publication

EP 3638803 A1 20200422 (EN)

Application

EP 18749583 A 20180612

Priority

- NL 2019066 A 20170614
- NL 2018050379 W 20180612

Abstract (en)

[origin: WO2018231052A1] The invention relates to a process for obtaining cellulose or a cellulose- containing substance from plant material, the process comprising - providing mashed plant material having a water content of at least 10 wt.% then - subjecting the plant material, when having a temperature of at least 40 °C, to a reduction in pressure by at least 0.1 bar by means of vacuum extrusion; then - fermenting the plant material to yield a fermentation broth comprising cellulose; then - isolating the cellulose or the cellulose-containing substance from the fermentation broth by one or more separation methods selected from the group of distillation, decantation, centrifugation, filtration, evaporation and washing with a fluid.

IPC 8 full level

C08B 1/00 (2006.01); **C12P 7/06** (2006.01); **C12P 19/04** (2006.01); **D21C 5/00** (2006.01)

CPC (source: EP)

C08B 1/00 (2013.01); **C12P 7/06** (2013.01); **C12P 19/04** (2013.01); **D21C 5/005** (2013.01); **Y02E 50/10** (2013.01)

Citation (search report)

See references of WO 2018231052A1

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 2018231052 A1 20181220; EP 3638803 A1 20200422; NL 2019066 B1 20181221

DOCDB simple family (application)

NL 2018050379 W 20180612; EP 18749583 A 20180612; NL 2019066 A 20170614