

Title (en)

METHOD AND SYSTEM FOR CONTROL OF A MICROBIAL FERMENTATION PROCESS

Title (de)

VERFAHREN UND SYSTEM ZUR STEUERUNG EINES MIKROBIELLEN FERMENTATIONSVERFAHRENS

Title (fr)

PROCÉDÉ ET SYSTÈME DE COMMANDE D'UN PROCESSUS DE FERMENTATION MICROBIENNE

Publication

EP 4259811 A1 20231018 (EN)

Application

EP 21835296 A 20211213

Priority

- EP 20213856 A 20201214
- EP 2021085431 W 20211213

Abstract (en)

[origin: EP4012015A1] The present disclosure generally relates to a method for control of a microbial fermentation process involving fermentation of sugars from lignocellulosic biomass to fermentation products. The method comprising the steps of: providing a fermentation media comprising at least xylose and glucose; fermenting the fermentation media by means of fermentation microorganisms of yeast; and intentionally increasing the concentration of ethanol present during the fermentation to an elevated ethanol concentration by the addition of ethanol or an ethanol-producing substance.

IPC 8 full level

C12P 7/10 (2006.01); **C12M 1/00** (2006.01); **C12M 1/34** (2006.01); **C12N 1/36** (2006.01)

CPC (source: EP)

C12M 21/12 (2013.01); **C12M 23/58** (2013.01); **C12M 41/32** (2013.01); **C12N 1/36** (2013.01); **C12P 7/10** (2013.01); **C12P 2203/00** (2013.01); **C12R 2001/85** (2021.05); **Y02E 50/10** (2013.01)

Citation (search report)

See references of WO 2022128885A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4012015 A1 20220615; EP 4259811 A1 20231018; WO 2022128885 A1 20220623

DOCDB simple family (application)

EP 20213856 A 20201214; EP 2021085431 W 20211213; EP 21835296 A 20211213