

Title (en)

PROCESS FOR PRODUCING SUGARS FROM LIGNOCELLULOSIC BIOMASS INVOLVING A STEP OF ALCOHOL-ALKALINE DELIGNIFICATION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ZUCKERN AUS LIGNOCELLULOSEHALTIGER BIOMASSE, UMFASSEND EINEN SCHRITT DER ALKOHOLISCH-ALKALINEN DELIGNIFIKATION

Title (fr)

PROCÉDÉ DE PRODUCTION DE SUCRES À PARTIR DE BIOMASSE LIGNOCELLULOSIQUE COMPRENANT UNE ÉTAPE DE DÉLIGNIFICATION ALCOOLIQUE-ALCALINE

Publication

EP 2462235 A2 20120613 (DE)

Application

EP 10717481 A 20100430

Priority

- AT 12522009 A 20090806
- AT 14962009 A 20090923
- AT 20302009 A 20091223
- AT 2010000138 W 20100430

Abstract (en)

[origin: WO2011014894A2] The invention relates to a method for producing carbohydrate cleavage products, characterized by the combination of the measures in which lignocellulosic material having an aqueous solution that contains an alcohol, in particular a C1-4 alcohol or a phenol, and has a pH between 11.0 and 14.0 is treated in order to cleave lignocellulose and to remove cleavage products from the material, a material enriched with cellulose and hemicellulose being obtained, and the obtained material enriched with cellulose and hemicellulose being treated with at least one carbohydrate-cleaving enzyme in order to obtain the carbohydrate cleavage products.

IPC 8 full level

C12P 19/14 (2006.01); **C12P 7/10** (2006.01); **C12P 7/18** (2006.01)

CPC (source: EP KR RU US)

C12P 5/023 (2013.01 - EP KR RU US); **C12P 7/02** (2013.01 - KR US); **C12P 7/10** (2013.01 - KR); **C12P 7/14** (2013.01 - EP KR RU US); **C12P 7/18** (2013.01 - EP KR RU US); **C12P 19/14** (2013.01 - EP KR RU US); **Y02E 50/10** (2013.01 - EP KR RU US); **Y02E 50/30** (2013.01 - EP KR RU US)

Citation (search report)

See references of WO 2011014894A2

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2011014894 A2 20110210; WO 2011014894 A3 20110616; AU 2010281334 A1 20120202; AU 2010281334 B2 20150312; BR 112012002707 A2 20200825; BR 112012002707 B1 20210406; CA 2768159 A1 20110210; CA 2768159 C 20190820; CN 102575268 A 20120711; CO 6511213 A2 20120831; CU 20120023 A7 20120621; EC SP12011707 A 20121030; EP 2462235 A2 20120613; EP 3121285 A1 20170125; JP 2013500727 A 20130110; JP 2016104020 A 20160609; JP 6411994 B2 20181024; KR 101898849 B1 20180913; KR 20120055613 A 20120531; KR 20180042416 A 20180425; MX 2012001450 A 20120326; MX 350376 B 20170905; PE 20121424 A1 20121018; RU 2012108372 A 20130920; RU 2617938 C2 20170428; TW 201114907 A 20110501; TW 201814049 A 20180416; TW I676687 B 20191111; US 2013078677 A1 20130328; US 2018230503 A1 20180816; US 9970038 B2 20180515; ZA 201200989 B 20121031

DOCDB simple family (application)

AT 2010000138 W 20100430; AU 2010281334 A 20100430; BR 112012002707 A 20100430; CA 2768159 A 20100430; CN 201080034813 A 20100430; CO 12038994 A 20120306; CU 20120023 A 20120203; EC SP12011707 A 20120305; EP 10717481 A 20100430; EP 16188442 A 20100430; JP 2012523163 A 20100430; JP 2015254620 A 20151225; KR 20127005883 A 20100430; KR 20187008755 A 20100430; MX 2012001450 A 20100430; PE 2012000172 A 20100430; RU 2012108372 A 20100430; TW 106131021 A 20100427; TW 99113304 A 20100427; US 201013388725 A 20100430; US 201815951027 A 20180411; ZA 201200989 A 20120210