

Title (en)

METHOD FOR ELECTROCHEMICALLY CLEAVING LIGNIN ON A DIAMOND ELECTRODE

Title (de)

VERFAHREN ZUR ELEKTROCHEMISCHEN SPALTUNG VON LIGNIN AN EINER DIAMANTELEKTRODE

Title (fr)

PROCÉDÉ DE CLIVAGE ÉLECTROCHIMIQUE DE LIGNINE SUR UNE ÉLECTRODE DE DIAMANT

Publication

EP 2276877 B1 20111109 (DE)

Application

EP 09745700 A 20090511

Priority

- EP 2009055638 W 20090511
- EP 08156190 A 20080514
- EP 09745700 A 20090511

Abstract (en)

[origin: WO2009138368A1] The invention relates to a method for electrochemically cleaving lignin by means of a diamond electrode and to a method for producing vanillin and the derivatives thereof by electrochemically cleaving lignin in a solution having a pH-value of < 11.

IPC 8 full level

C25B 3/23 (2021.01)

CPC (source: EP US)

C25B 3/23 (2021.01 - EP US)

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 TR

DOCDB simple family (publication)

WO 2009138368 A1 20091119; AT E532888 T1 20111115; BR PI0912164 A2 20151013; CA 2722235 A1 20091119; CN 102027161 A 20110420; CN 102027161 B 20130109; EP 2276877 A1 20110126; EP 2276877 B1 20111109; JP 2011521102 A 20110721; RU 2010150834 A 20120620; RU 2495157 C2 20131010; US 2011089046 A1 20110421

DOCDB simple family (application)

EP 2009055638 W 20090511; AT 09745700 T 20090511; BR PI0912164 A 20090511; CA 2722235 A 20090511; CN 200980117225 A 20090511; EP 09745700 A 20090511; JP 2011508877 A 20090511; RU 2010150834 A 20090511; US 99221709 A 20090511