Title (en)

METHOD FOR PRODUCING ALKOXYLATED 2,5-DIHYDROFURAN BUT-2-ENE DERIVATIVES OR TETRA-1,1,4,4-ALKOXYLATED BUT-2-ENE DERIVATIVES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ALKOXYLIERTEN 2,5-DIHYDROFURAN- ODER TETRA-1,1,4,4-ALKOXYLIERTEN BUT-2-ENDERIVATEN

Title (fr)

PROCEDE POUR PRODUIRE DES DERIVES ALKOXYLES DE 2,5-DIHYDROFURANE- OU DE TETRA-1,1,4,4-BUT-2-ENE

Publication

EP 1863781 A1 20071212 (DE)

Application

EP 06725267 A 20060323

Priority

• EP 2006060989 W 20060323
• DE 102005013631 A 20050324

Abstract (en)

[origin: WO2006100289A1] The invention relates to a method for producing 2,5-dihydrofuran derivatives that are substituted in position 3 or 4, which carry a respective C_1 to C_6 alkoxy group (DHF alkoxy derivates I) in position 2 or position 5, or in both positions, or for producing 1,1,4,4-tetraalkoxy but-2-ene derivatives that are substituted in position 3 or 4, from 2-butene-1,4-diol derivatives of general formula (I), in which the groups R^1 and R^2 independently of one another represent hydrogen, C_1 to C_6 alkyl, C_6 to C_{12} aryl or C_5 to C_{12} cycloalkene or R^1 and R^2 together with the double bond, to which they are linked, form a C_6 to C_{12} aryl group or a mono- or polyunsaturated C_5 to C_{12} cycloalkyl group, or from a mixture of said 2-butene-1,4-diol derivatives and 2,5-dihydrofuran derivatives that are substituted in position 3 or 4 and carry a C_1 to C_6 alkoxy group in position 2 or 5, by electrochemical oxidation in the presence of a C_1 to C_6 monoalkyl alcohol.

IPC 8 full level

C07D 307/32 (2006.01); **C07C 41/50** (2006.01); **C07D 307/88** (2006.01); **C07D 307/89** (2006.01); **C25B 3/23** (2021.01)

CPC (source: EP US)

C07D 307/32 (2013.01 - EP US); **C07D 307/88** (2013.01 - EP US); **C07D 307/89** (2013.01 - EP US); **C25B 3/23** (2021.01 - EP US)

Citation (search report)

See references of WO 2006100289A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102005013631 A1 20060928; CA 2602077 A1 20060928; CN 101137635 A 20080305; EP 1863781 A1 20071212; JP 2008536007 A 20080904; US 2008110763 A1 20080515; WO 2006100289 A1 20060928

DOCDB simple family (application)

DE 102005013631 A 20050324; CA 2602077 A 20060323; CN 200680008008 A 20060323; EP 06725267 A 20060323; EP 2006060989 W 20060323; JP 2008502421 A 20060323; US 90850606 A 20060323