

Title (en)

METHOD FOR PRODUCING ALCOXYLATED CARBONYL COMPOUNDS BY AN ANODIC OXIDATION METHOD USING A CATHODIC COUPLED REACTION FOR ORGANIC SYNTHESIS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ALKOXYLIERTEN CARBONYLVERBINDUNGEN DURCH EIN ANODISCHES OXIDATIONSVERFAHREN UNTER NUTZUNG DER KATHODISCHEN KOPPELREAKTION ZUR ORGANISCHEN SYNTHESE

Title (fr)

PROCEDE DE PRODUCTION DE LIAISONS CARBONYLE ALCOXYLEES PAR OXYDATION ANODIQUE ET REACTION DE COUPLAGE CATHODIQUE POUR REALISER UNE SYNTHESE ORGANIQUE

Publication

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Application

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Priority

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- EP 0113587 W 20011122

Abstract (en)

[origin: WO0242524A2] A method for producing alcoxylated carbonyl compounds of general formula (I) (compounds I): $R_{<1>}aR_{<2>}C(OR_{<3>})b$ wherein $R_{<1>}$, $R_{<2>}$ represent hydrogen or C1- C6-alkyl, $R_{<3>}$ independently means C1- C6-alkyl, a is 0 or 1, b 2 or 3 with the proviso that the sum of a and b is 3, by means of anodic oxidation of germinal dialcoxy compounds of general formula (II) (compounds II) wherein $R_{<4>}$, $R_{<5>}$, $R_{<6>}$, $R_{<7>}$ represent hydrogen or C1- C6-alkyl, $R_{<5>}$, $R_{<6>}$ represent C1- C6-alkyl or C1- C6-alcoxy, in the presence of a C1-C6-alkyl alcohol (compounds III). A usual compound (compound IV) is used as a cathodic depolarizer suitable for electrochemical oxidation. The anodic oxidation and cathodic reduction is carried out in an undivided electrolyte cell in the presence of C1-C6-alkyl alcohols.

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