Title (en)

PROCESS FOR CONVERTING LIGNOCELLULOSIC OR CELLULOSE BIOMASS VIA SOLID LEWIS ACID CATALYSTS BASED ON TUNGSTEN OXIDE AND ON A METAL CHOSEN FROM GROUPS 8 TO 11

Title (de)

VERFAHREN ZUR UMWANDLUNG VON LIGNOCELLULOSE ODER CELLULOSE-BIOMASSE ANHAND VON LEWIS-SÄURE-FESTSTOFFKATALYSATOREN AUF DER BASIS VON WOLFRAMOXID UND EINES METALLS AUS DEN GRUPPEN 8 BIS 11

Title (fr)

PROCÉDÉ DE TRANSFORMATION DE BIOMASSE LIGNOCELLULOSIQUE OU DE CELLULOSE PAR DES CATALYSEURS ACIDES SOLIDES DE LEWIS A BASE D'OXYDE DE TUNGSTENE ET D'UN METAL CHOISI DANS LES GROUPES 8 À 11

Publication

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Application

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Abstract (en)

[origin: WO2012022853A1] The invention relates to a process for converting lignocellulosic or cellulose biomass using heterogeneous catalysts based on tungsten oxide dispersed on a support based on oxides, preferably based on oxide(s) of aluminium and/or of zirconium and/or of titanium and/or of niobium and containing an element in the particular metal state. The use of these catalysts makes it possible to directly obtain upgradable products containing three carbon atoms, in particular hydroxyacetone and propylene glycol with high selectivity.

IPC 8 full level

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