

Title (en)

METHOD FOR PRODUCING SOLUTIONS OF SUGARS AND ALCOHOLS FROM LIGNOCELLULOSIC BIOMASS WITH COMPLEMENTARY TREATMENT OF THE SOLID RESIDUE BY A HYDRATED INORGANIC SALT

Title (de)

VERFAHREN ZUR HERSTELLUNG VON LÖSUNGEN AUS ZUCKERN UND ALKOHOLEN AUS LIGNOCELLULOSEBIOMASSE MIT ERGÄNZENDER BEHANDLUNG DES FESTEN RÜCKSTANDS MITTELS HYDRIERTEM ANORGANISCHEM SALZ

Title (fr)

PROCEDE DE PRODUCTION DE SOLUTIONS DE SUCRES ET D'ALCOOLS A PARTIR DE BIOMASSE LIGNOCELLULOSIQUE AVEC TRAITEMENT COMPLEMENTAIRE DU RESIDU SOLIDE PAR UN SEL INORGANIQUE HYDRATE

Publication

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Application

EP 13808080 A 20131119

Priority

- FR 1203425 A 20121214
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Abstract (en)

[origin: WO2014091103A1] The invention relates to a method for producing solutions of sugars and alcohols from lignocellulosic biomass, comprising a pre-treatment, a step of enzymatic hydrolysis and alcoholic fermentation, a step of extracting the alcohol produced, a step of separating the solid residue, and optionally a step of washing and drying, followed by a step of baking the solid residue in a medium comprising at least one hydrated inorganic salt of formula $MX_n \cdot n'H_2O$, wherein M is a metal selected from the groups 1 to 13 of the periodic classification, X is an anion, n is a whole number between 1 and 6, and n' is between 0.5 and 12, enabling a solid fraction and a liquid fraction to be obtained, said solid fraction being then separated and subjected to either an enzymatic hydrolysis step, or steps of enzymatic hydrolysis and alcoholic fermentation.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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