

Title (en)

PROCESS FOR PREPARING MICRO- AND NANOCRYSTALLINE CELLULOSE

Title (de)

VERFAHREN ZUR HERSTELLUNG MIKRO- UND NANOKRISTALLINER ZELLULOSE

Title (fr)

PROCÉDÉ POUR LA PRÉPARATION DE CELLULOSE MICROCRISTALLINE ET NANOCRISTALLINE

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Application

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Abstract (en)

[origin: WO2012127110A1] The invention relates to a process for preparing micro- and nanocrystalline cellulose material in the presence of an acid. More specifically, the invention relates to a process, in which the cellulose material is hydrolyzed in the presence of an acid in the gas phase while the moisture content of cellulose is between 1% and 80%, the cellulose material is surface-modified, and mechanically treated in order to obtain micro- and/or nanocrystalline cellulose material. The invention also relates to a cellulose product prepared by the said process and the use thereof in food and liquid crystal applications as well as in optical, cosmetic and medical applications.

IPC 8 full level

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