

Title (en)

MODIFYING CELLULOSE FIBRES BY USING AMPHOTERIC CELLULOSE DERIVATIVE

Title (de)

MODIFIZIERUNG VON CELLULOSEFASERN UNTER VERWENDUNG EINES AMPHOTEREN CELLULOSEDERIVATS

Title (fr)

MODIFICATION DE FIBRES DE CELLULOSE A L'AIDE D'UN DERIVE DE CELLULOSE AMPHOTERE

Publication

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Application

**EP 05704796 A 20050203**

Priority

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- SE 0400396 A 20040220

Abstract (en)

[origin: WO2005080678A1] The present invention provides a method for the modification of lignocellulosic materials. Cellulose fibres are treated with an aqueous electrolyte-containing solution of an amphoteric cellulose derivative for at least 5 minutes at a temperature of at least 50 °C. The pH during the treatment is approximately 1.5-4.5 or higher than 11; or the concentration of the electrolyte is approximately 0.0001-0.05 M if the electrolyte has monovalent cations, or approximately 0.0002-0.1 M if the electrolyte has divalent cations. Further the invention relates to products obtainable by the above mentioned method and uses of said products for manufacturing paper with a high wet strength and rayon fibres.

IPC 8 full level

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