

Title (en)

METHOD FOR MODIFYING CELLULOSE-BASED FIBER MATERIAL

Title (de)

VERFAHREN ZUR MODIFIZIERUNG VON FASERSTOFF AUF CELLULOSEBASIS

Title (fr)

PROCEDE DE MODIFICATION D'UNE MATIERE FIBREUSE A BASE DE CELLULOSE

Publication

**EP 1240389 A1 20020918 (EN)**

Application

**EP 00966646 A 20000920**

Priority

- SE 0001823 W 20000920
- SE 9903418 A 19990922

Abstract (en)

[origin: WO0121890A1] A method for modifying cellulose fibers; which are treated for at least 5 minutes with an aqueous solution of CMC or CMC-derivative containing electrolyte at a temperature of at least approximately 100 DEG C, and the pH during the treatment is approximately 1.5-4.5, or higher than 11; or the concentration of electrolyte is approximately 0.001 - 0.5 M, if the electrolyte has monovalent cations, or approximately 0.0002 - 0.5 M, if the electrolyte has divalent cations, and cellulose fibers that have been modified according to this method, and use of the modified cellulose fibers for the manufacture of rayon fibers. A method for the manufacture of paper with a high wet strength, whereby an aqueous suspension of cellulose fibers is produced, and the cellulose fibers are modified as described above, and wet-strength agent is added to the aqueous suspension; and paper with a high wet strength manufactured according to this method.

IPC 1-7

**D21H 11/20**; **D21H 17/25**

IPC 8 full level

**D21C 9/00** (2006.01); **D21H 11/20** (2006.01); **D21H 21/20** (2006.01)

CPC (source: EP)

**D21C 9/005** (2013.01); **D21H 11/20** (2013.01); **D21H 21/20** (2013.01)

Citation (search report)

See references of WO 0121890A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0121890 A1 20010329**; AT E470011 T1 20100615; AU 7696000 A 20010424; DE 60044504 D1 20100715; EP 1240389 A1 20020918; EP 1240389 B1 20100602; ES 2346634 T3 20101019; SE 9903418 D0 19990922

DOCDB simple family (application)

**SE 0001823 W 20000920**; AT 00966646 T 20000920; AU 7696000 A 20000920; DE 60044504 T 20000920; EP 00966646 A 20000920; ES 00966646 T 20000920; SE 9903418 A 19990922