

Title (en)

METHOD OF PREPARING CELLULOSE FIBRES COATED WITH REDOX-ACTIVE POLYMER

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MIT REDOXAKTIVEM POLYMER BESCHICHTETEN CELLULOSEFASERN

Title (fr)

PROCÉDÉ DE PRÉPARATION DE FIBRES DE CELLULOSE REVÊTUES DE POLYMÈRE AYANT UNE ACTIVITÉ OXYDORÉDUCTRICE

Publication

EP 3757286 A1 20201230 (EN)

Application

EP 19182135 A 20190625

Priority

EP 19182135 A 20190625

Abstract (en)

There is provided a method comprising the steps of: a) pretreating cellulose fibres so as to obtain pretreated cellulose fibres; and b) polymerizing monomers on the pretreated cellulose fibres so as to obtain cellulose fibres coated with a redox-active polymer. There is also provided a porous structure, such as a sheet, of pretreated cellulose fibres coated with a redox-active polymer, which porous structure is preferably produced according to the method.

IPC 8 full level

D21C 9/005 (2006.01); **D21H 17/18** (2006.01); **D21H 17/49** (2006.01); **D21H 21/14** (2006.01); **D21H 27/00** (2006.01); **H01B 1/12** (2006.01); **H01B 1/20** (2006.01)

CPC (source: EP)

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Citation (applicant)

- NYSTROM, G. ET AL.: "A Nanocellulose Polypyrrole Composite Based on Microfibrillated Cellulose from Wood", JOURNAL OF PHYSICAL CHEMISTRY B, vol. 114, no. 12, 2010, pages 4178 - 4182, XP055027799, DOI: doi:10.1021/jp911272m
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Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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