

Title (en)

ONE STAGE METHOD FOR ACID METAL REMOVAL AND BLEACH

Title (de)

EINSTUFIGES VERFAHREN ZUR SAUREN METALLENTFERNUNG UND BLEICHUNG

Title (fr)

PROCÉDÉ D'ÉLIMINATION DE MÉTAL ET DE BLANCHIMENT EN UNE ÉTAPE AYANT LIEU EN MILIEU ACIDE

Publication

EP 3882380 A1 20210922 (EN)

Application

EP 20163367 A 20200316

Priority

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Abstract (en)

There is provided a process for chemically pretreating reclaimed cellulose fibres to be used in the production of moulded bodies from regenerated cellulose, wherein the pretreatment includes one stage, in which stage acid metal removal and acid oxidative bleaching are carried out together. Advantages include that the propensity of the regenerated cellulose to clog when flowing in a tube and through a nozzle is reduced. This is believed to be an effect of an efficient metal removal. The need for additional bleaching steps and/or metal removing steps is reduced or even eliminated. A one-stage method is more efficient, faster and less costly compared to a multi-stage method according to the prior art. From an environmental perspective, acidic metal removal is preferred over removal by chelating agents such as EDTA.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

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Designated contracting state (EPC)

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