

Title (en)

ONE STAGE METHOD FOR ACID METAL REWOVAL AND BLEACH

Title (de)

EINSTUFIGES VERFAHREN FÜR SÄUREMETALL-REOALE UND BLEICHENDE PRODUKTE

Title (fr)

PROCÉDÉ EN UNE ÉTAPE POUR LE RETRAIT DE MÉTAUX ET LE BLANCHIMENT AVEC DE L'ACIDE

Publication

EP 4121584 A1 20230125 (EN)

Application

EP 21710332 A 20210312

Priority

- EP 20163367 A 20200316
- EP 2021056406 W 20210312

Abstract (en)

[origin: EP3882380A1] 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

D01F 2/00 (2006.01); **D01F 2/06** (2006.01); **D06M 11/11** (2006.01); **D06M 11/34** (2006.01); **D06M 11/50** (2006.01); **D06M 13/184** (2006.01); **D21C 9/02** (2006.01); **D21C 9/10** (2006.01)

CPC (source: EP US)

D01F 2/00 (2013.01 - EP); **D01F 2/06** (2013.01 - EP); **D06M 11/11** (2013.01 - EP); **D06M 11/34** (2013.01 - EP US); **D06M 11/50** (2013.01 - EP US); **D06M 13/184** (2013.01 - EP US); **D21C 3/04** (2013.01 - EP); **D21C 9/02** (2013.01 - EP); **D21C 9/153** (2013.01 - EP); **D21C 9/163** (2013.01 - EP); **D21H 13/08** (2013.01 - EP); **D01D 1/02** (2013.01 - EP); **D06L 4/10** (2016.12 - EP); **D06L 4/50** (2016.12 - EP); **D06M 13/188** (2013.01 - EP); **D06M 13/207** (2013.01 - EP US); **D06M 2101/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2021185704A1

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