

Title (en)
FIBERS PRODUCED FROM RECYCLED CELLULOSIC WASTE MATERIAL

Title (de)
AUS RECYCELTEM ZELLULOSEABFALLMATERIAL HERGESTELLTE FASERN

Title (fr)
FIBRES PRODUITES À PARTIR DE DÉCHETS CELLULOSIQUES RECYCLÉS

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Application
EP 20823521 A 20200610

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Abstract (en)
[origin: WO20251463A1] The present invention relates to a process for the production of regenerated cellulosic fibers from a cellulosic spin dope, said process comprising the steps of treating a recycled cellulosic waste material to remove at least one of lignin, hemicelluloses, and contaminants from the recycled cellulosic waste material thereby providing a purified cellulosic intermediate product, dissolving the purified cellulosic intermediate product in an alkaline liquor to form a cellulosic spin dope, injecting the cellulosic spin dope into a coagulation bath to form a tow, washing and stretching the tow under alkaline conditions and/or acidic conditions, and cutting the tow to form regenerated cellulosic fibers.

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Citation (search report)
• [X] LIU WANGCHENG ET AL: "Eco-friendly post-consumer cotton waste recycling for regenerated cellulose fibers", CARBOHYDRATE POLYMERS, APPLIED SCIENCE PUBLISHERS , LTD BARKING, GB, vol. 206, 28 October 2018 (2018-10-28), pages 141 - 148, XP085556430, ISSN: 0144-8617, DOI: 10.1016/J.CARBPOL.2018.10.046
• See references of WO 2020251463A1

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