

Title (en)
IMPROVEMENTS RELATING TO THE COLD-ALKALI PROCESS FOR THE PRODUCTION OF REGENERATED CELLULOSIC FIBERS

Title (de)
KALTALKALIVERFAHREN ZUR HERSTELLUNG VON REGENERIERTEN ZELLULOSEFASERN

Title (fr)
AMÉLIORATIONS SE RAPPORTANT À LA TRANSFORMATION BASIQUE À FROID POUR LA PRODUCTION DE FIBRES CELLULOSIQUES RÉGÉNÉRÉES

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Application
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Abstract (en)
[origin: EP4124680A1] The present disclosure relates to a method and processing facility for producing regenerated cellulosic fibers. The method comprises extruding a spinning solution into a coagulation bath which contains a salt and preferably an alkali to produce the fibers. The spinning solution comprising cellulose dissolved in an aqueous solvent comprising NaOH and ZnO. The coagulation bath has a pH-value of at least seven. The method further comprises a continuous process of applying to the fibers in a never-dried state a crosslinking agent with two or more reactive groups and heating the fibers to a curing temperature while maintaining the never-dried condition to produce a reaction between the crosslinking agent and the cellulose of the fiber.

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