

Title (en)
LYOCELL METHOD AND DEVICE COMPRISING A PRESS WATER RECIRCULATION SYSTEM

Title (de)
LYOCELL-VERFAHREN UND -VORRICHTUNG MIT PRESSWASSERRÜCKFÜHRUNG

Title (fr)
PROCEDE ET DISPOSITIF LYOCELL A RECIRCULATION DE L'EAU SOUS PRESSION

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Application
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Abstract (en)
[origin: WO2005113869A1] The invention relates to a method and a device (1) for producing a cellulose solution that can be extruded to form continuous moulded bodies (2). According to the invention, a cellulose suspension is produced in a pulper (5), from cellulose (3, 4) and water (6), and is then pressed by a pressing means (10). Once the cellulose suspension has been pressed, a tertiary amine oxide, especially N-methylmorpholine-N-oxide, is supplied as a solvent in order to obtain a cellulose solution. The cost-efficiency and the ecofriendliness of the inventive method and device can be improved by at least partially recirculating the press water (11) pressed by the pressing means (10) to the pulper (5). Furthermore, the proportion of press water (15) to water (6) varies according to the metal content of the cellulose (3, 4) and/or the cellulose solution.

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