

Title (en)
METHOD FOR THE PRODUCTION OF A POROUS CELLULOSE BODY

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES PORÖSEN CELLULOSISCHEN KÖRPERS

Title (fr)
PROCEDE DE PRODUCTION D'UN CORPS CELLULOSIQUE POREUX

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Application
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Abstract (en)
[origin: WO2004065424A1] The invention relates to a method for the production of a porous cellulose body, consisting of the following steps: a cellulose solution is produced in a tertiary amino oxide, particularly N-methylmorpholine-N-oxide; the cellulose used has an average polymerization degree of 150 - 2000 and the solution has a 0.1 - 5 wt. % concentration of cellulose; a body is produced from said cellulose solution; the body is precipitated in a precipitating agent, thereby enabling a precipitated cellulose body to be obtained; the precipitating agent is an aqueous medium or a cellulose-precipitating non-aqueous medium which cannot be mixed with water, said non-aqueous medium being able to dissolve the tertiary amino oxide and being able to be mixed with a supercritical solvent. The inventive method is characterised in that if the aqueous medium is used as a precipitating agent, the tertiary amino oxide contained in the precipitated cellulose body is washed out with the aqueous medium; the aqueous medium is replaced by a liquid medium which can be mixed with a supercritical solvent; the cellulose body which is wetted with the replacement medium is treated with the supercritical solvent, enabling a porous cellulose body to be obtained; or if a non-aqueous medium is used as a precipitating medium, the tertiary amino oxide contained in the cellulose body is washed out with the non-aqueous medium; the cellulose body which is wetted with the non-aqueous medium is treated with the supercritical solvent in order to obtain a porous cellulose body.

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