

Title (en)

METHOD FOR PRODUCING CELLULOSE SHAPED BODIES WITH SUPER-ABSORBENT PROPERTIES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON CELLULOSISCHEN FORMKÖRPERN MIT SUPERABSORBIERENDEN EIGENSCHAFTEN

Title (fr)

PROCEDE POUR PRODUIRE DES CORPS FACONNES CELLULOSIQUES SUPERABSORBANTS

Publication

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Application

EP 02767288 A 20020731

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Abstract (en)

[origin: WO03012182A1] The invention relates to a method for producing cellulose shaped bodies with a high water-retention capacity, according to the dry/wet extrusion method. According to said method, a solution of between 5 and 20 mass % cellulose in a tertiary amine oxide is formed, the solution is extruded, the extrudate is drawn in a non-precipitating medium and the shaped bodies are precipitated in an aqueous or alcoholic precipitation bath. The method is characterised in that a solution containing between 0.01 and 250 mass %, (in relation to the cellulose), of at least one super-absorber with a particle size of $\leq 100 \mu m$ is extruded. The fibres, films and composite materials thus formed are characterised by a high water-retention capacity and are suitable for producing sanitary products, nappies or disposable nappies, sanitary towels, tampons, incontinence products, absorbent plasters, coverings for wounds, dressings, bandages, cleaning cloths, moisture-absorbent clothing, bed undersheets, filter materials or filters, packaging materials or cable sheathing.

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