

Title (en)

METHOD AND DEVICE FOR THE CONTINUOUS, SINGLE-STEP PRODUCTION OF A HOMOGENEOUS SOLUTION OF CELLULOSE IN HYDROUS TERTIARY AMINOXIDES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KONTINUIERLICHEN, EINSTUFIGEN HERSTELLUNG EINER HOMOGENEN LÖSUNG VON CELLULOSE IN WASSERHALTIGEN TERTIÄREN AMINOXIDEN

Title (fr)

PROCEDE ET DISPOSITIF POUR LA PRODUCTION EN CONTINUU, EN UNE SEULE ETAPE, D'UNE SOLUTION HOMOGENE DE CELLULOSE DANS DES OXYDES D'AMINES TERTIAIRES CONTENANT DE L'EAU

Publication

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Application

**EP 00972575 A 20000905**

Priority

DE 0003035 W 20000905

Abstract (en)

[origin: WO0220885A1] The invention relates to a method and to a device for the continuous, single-step production of a homogeneous solution of cellulose in hydrous aminoxides on the basis of cellulose and aqueous aminoxides, preferably N-methylmorpholino-N-oxide (NMMO), at temperatures in the range of from 50 to 130 DEG C under a vacuum and water evaporation. The cellulose and the NMMO are dosed separately to the device, mixed while sheared, the water is evaporated until the mixture is dissolved, the solution is homogenized and directly fed to the consumer via screw conveyors, pumps and filters.

IPC 1-7

**D01F 2/00**; **D01D 1/02**; **C08B 1/00**; **C08J 3/11**; **C08J 3/09**

IPC 8 full level

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