

Title (en)

METHOD FOR PRODUCING CELLULOSE DERIVATIVES WHICH CONTAIN AMINO GROUPS, AND THEIR USE IN COSMETIC PREPARATIONS, TREATING WATER TREATMENT AND IN THE MANUFACTURING OF PAPER

Title (de)

VERFAHREN ZUR HERSTELLUNG VON AMINOGRUPPENHALTIGEN CELLULOSEDERIVATEN SOWIE DEREN VERWENDUNG IN KOSMETISCHEN ZUBEREITUNGEN DER WASSERAUFBEREITUNG UND DER PAPIERHERSTELLUNG

Title (fr)

PROCEDE POUR PRODUIRE DES DERIVES DE CELLULOSE CONTENANT DES GROUPES AMINO ET UTILISATION DESDITS DERIVES DANS DES PREPARATIONS COSMETIQUES, LE TRAITEMENT DE L'EAU ET LA FABRICATION DU PAPIER

Publication

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Application

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Abstract (en)

[origin: WO2006010468A1] The invention relates to a method for producing cellulose derivatives containing amino groups by reacting alkalized cellulose or alkalized cellulose derivatives with reagents of general formula  $X-(CH_2)_n-NR_1R_2$  in which: X represents a leaving group, preferably chlorine, bromine, iodine or a sulfonic acid radical  $R'SO_3$ , R' representing an aromatic or aliphatic radical with 1 - 24 C atoms, e.g. para-toluyyl or methyl; n must be at least 2; radicals  $R_1$  and  $R_2$ , independent of one another, represent aliphatic or branched or cyclic alkyl substituents or aryl substituents with 1 - 24 C atoms, these substituents being optionally substituted by heteroatoms, or represent H, or two radicals  $R_1$  and  $R_2$ , together with the nitrogen, can form a ring. The invention is characterized in that water is used as a reaction medium, and the ratio of cellulose to water ranges from 1: 5 to 1: 40 mol per mol of anhydroglucose unit (AGU). The invention also relates to cellulose derivatives containing amino groups with a specified total substitution and to the use thereof in cosmetic formulations, in treating water or in the manufacturing of paper.

IPC 8 full level

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