

Title (en)  
PROCESS FOR PROVIDING FIBRES OR NONWOVENS WITH A HYDROPHILIC COATING

Title (de)  
VERFAHREN ZUR HYDROPHILEN AUSRÜSTUNG VON FASERN ODER VLIESTOFFEN

Title (fr)  
PROCEDE POUR MUNIR DES FIBRES OU DES NON TISSES D'UN REVETEMENT HYDROPHILE

Publication  
**EP 0914513 B1 20011017 (DE)**

Application  
**EP 97931816 A 19970715**

Priority  
• DE 19629666 A 19960723  
• EP 9703784 W 19970715

Abstract (en)  
[origin: US6177367B1] A process for making synthetic fibers or nonwoven substrates hydrophilic made from the synthetic fibers comprising applying an effective amount of a finish composition onto the fibers or nonwoven substrates, the finish composition containing: (a) from 50 to 95% by weight of a hydrophobicizing agent selected from the group consisting of at least one quaternary ester amine salt corresponding to formula I:wherein R1 is an aliphatic alkyl group containing from 12 to 22 carbon atoms, R2 is either (CH2)*n*-O-COR1 or an alkyl group containing from 12 to 22 carbon atoms, R3 and R4, independently of one another, represent (CH2)*n*-R5, where R5 is H or OH and *n* is a number from 1 to 3, and X is either a halide, methosulfate, methophosphate or phosphate ion, a quaternary ester amine salt corresponding to formula II:wherein COR6 is an aliphatic acyl group containing from 12 to 22 carbon atoms and 0, 1, 2 or 3 double bonds, R7 is H or OH, *n* has a value of 1, 2 or 3 and X is either a halide, methosulfate, methophosphate or phosphate ion, and mixtures thereof; and (b) from 5 to 50% by weight of at least one alkyl glycoside corresponding to formula III:wherein R is a primary linear or methyl-branched aliphatic radical containing from 8 to 22 carbon atoms, G is a glycoside unit containing 5 or 6 carbon atoms and *x* is a number from 1 to 10, all weights being based on the total weight of the composition.

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