

Title (en)  
SIZING OF PAPER

Title (de)  
VERFAHREN ZUM LEIMEN VON PAPIER

Title (fr)  
COLLAGE DE PAPIER

Publication  
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Application  
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Abstract (en)  
[origin: WO2007073321A1] The invention relates to an aqueous dispersion of cellulose-reactive sizing agent containing an acid anhydride, an anionic polyelectrolyte and a nitrogen-containing organic compound which is an amine or quaternary ammonium thereof having a molecular weight less than 180 and/or having one or more hydroxyl groups. The invention further relates to a method for the preparation of an aqueous dispersion of cellulose-reactive sizing agent which comprises dispersing an acid anhydride in an aqueous phase in the presence of an anionic polyelectrolyte and a nitrogen-containing organic compound which is an amine or quaternary ammonium thereof having a molecular weight less than 180 and/or having one or more hydroxyl groups. The invention also relates to the use of the aqueous dispersion of cellulose-reactive sizing agent as a stock sizing agent or surface sizing agent in the production of paper. The invention further relates to a process for the production of paper which comprises adding the aqueous dispersion of cellulose-reactive sizing agent to an aqueous cellulosic suspension.

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