

Title (en)

PAPER PRODUCTS AND METHODS FOR APPLYING CHEMICAL ADDITIVES TO CELLULOSIC FIBERS

Title (de)

PAPIERPRODUKTE UND VERFAHREN ZUM AUFTRAGEN VON CHEMISCHEN ZUSATZSTOFFEN AUF ZELLSTOFFFASERN

Title (fr)

PRODUITS DE PAPIER ET PROCEDES POUR L'APPLICATION D'ADDITIFS CHIMIQUES SUR DES FIBRES CELLULOSIQUES

Publication

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Application

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Abstract (en)

[origin: WO9934057A1] Chemical additives can be adsorbed on cellulosic papermaking fibers at high levels with a minimal amount of unadsorbed chemical additives present in the papermaking process water. A method includes treating a fiber slurry with an excess of the chemical additive, allowing sufficient residence time for adsorption to occur, filtering the slurry to remove unadsorbed chemical additives, and redispersing the filtered pulp with fresh water. Filtrate from the thickening process contains unadsorbed chemical additive and it is not sent forward in the process with the chemically treated fibers. The method can be employed to make improved paper products.

IPC 8 full level

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