

Title (en)

PROCESS FOR ENHANCING DRY STRENGTH OF PAPER BY TREATMENT WITH VINYLAMINE-CONTAINING POLYMERS AND ACRYLAMIDE- CONTAINING POLYMERS

Title (de)

VERFAHREN ZUR ERHÖHUNG DER TROCKENFESTIGKEIT VON PAPIER DURCH BEHANDLUNG MIT VINYLAMINHALTIGEN POLYMEREN UND ACRYLAMIDHALTIGEN POLYMEREN

Title (fr)

PROCÉDÉ PERMETTANT D'AMÉLIORER LA RÉSISTANCE À SEC DU PAPIER PAR TRAITEMENT À L'AIDE DE POLYMÈRES À TENEUR EN VINYLAMINE ET DE POLYMÈRES CONTENANT DE L'ACRYLAMIDE

Publication

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Application

EP 16189885 A 20101222

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Abstract (en)

The present invention provides a process for the production of paper, board, and cardboard with enhanced dry strength, and paper product produced by the process. The process comprises adding to the wet end of a paper machine (a) a vinylamine-containing aqueous solution polymer having a molecular weight of from 75,000 daltons to 750,000 daltons and (b) a cationic acrylamide-containing aqueous solution polymer, wherein the polymer is made by way of aqueous dispersion polymerization and has a molecular weight of from 300,000 daltons to 1,500,000 daltons, and wherein the amount of cationic monomers incorporated into the acrylamide-containing polymer comprises from 5 % to 50 % on a molar basis of all the monomers incorporated into the acrylamide-containing polymer.

IPC 8 full level

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CPC (source: EP KR US)

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