

Title (en)

Process for producing a paper having a high dry-strength and a low wet-strength.

Title (de)

Verfahren zur Herstellung von Papier mit hoher Trockenfestigkeit und niedriger Nassfestigkeit.

Title (fr)

Procédé de fabrication de papier à résistance élevée à l'état sec et à faible résistance à l'état humide.

Publication

EP 0013969 A1 19800806 (DE)

Application

EP 80100302 A 19800122

Priority

DE 2903218 A 19790127

Abstract (en)

[origin: ES8105058A2] A process for the manufacture of paper having a high dry strength and a low wet strength, by treating the surface of the paper with an aqueous solution of an alkali metal and/or alkaline earth metal salt of a polymer of (a) from 91 to 100% by weight of acrylic acid and/or methacrylic acid and (b) from 0 to 9% by weight of acrylonitrile, methacrylonitrile, acrylamide, methacrylamide, vinyl acetate, maleic anhydride, diisobutylene, an ester of acrylic acid and/or an ester of methacrylic acid, which has a viscosity of from 5 to 100 mPas in 2% strength aqueous solution at 20 DEG C., and drying the impregnated paper. The polymer is generally employed in an amount of from 1 to 4% by weight, based on dry paper, and increases the dry strength of the paper without substantially increasing the wet strength.

Abstract (de)

Behandlung der Oberfläche eines Papiers mit wasserlöslichen Alkali- und/oder Erdalkalisalzen von Polymerisaten aus a) 91 bis 100 Gew.% Acrylsäure und/oder Methacrylsäure und b) 0 bis 9 Gew.% Acrylnitril, Methacrylnitril, Acrylamid, Methacrylamid, Vinylacetat, Maleinsäureanhydrid, Diisobuten, Acrylsäure- und/oder Methacrylsäureester in einer Menge von 1 bis 4 Gew.%, bezogen auf trockenes Papier.

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- FR 931044 A 19480211 - ICI LTD
- FR 1579215 A 19690822

Cited by

US5281306A; US6159340A; EP0193111A3; EP0372388A3

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