

Title (en)

METHOD FOR MAKING WET STRENGTH PAPER

Title (de)

VERFAHREN ZUR HERSTELLUNG VON NASSFESTPAPIER

Title (fr)

PROCEDE DE FABRICATION DE PAPIER RESISTANT A L'ETAT HUMIDE

Publication

EP 0943036 A1 19990922 (EN)

Application

EP 97950660 A 19971125

Priority

- US 9721414 W 19971125
- US 76033196 A 19961204

Abstract (en)

[origin: WO9824974A1] The invention is a method for improving the efficiency of aqueous cationic wet strength additives by pretreating cellulose surfaces with reactive anionic compounds, thus providing the cellulose surface with additional anionic sites suitable for retaining a high proportion of said cationic wet strength additives on the cellulose. The wet strength additives on the cellulose surface are cured or reacted with the cellulose surface. The resulting fibrous material has unusually high wet strength with unusually low doses of cationic wet strength additive. The preferred reactive anionic compounds comprise compounds having a reactive group suitable for covalent bonding to hydroxyl groups on cellulose, and further having sulfonic or other anionic end groups capable of attracting cationic wet strength compounds in aqueous solution.

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