

Title (en)

NON-POLLUTING PROCESS FOR INCREASING THE WET STRENGTH OF PAPER

Title (de)

NICHT VERUNREINIGENDES VERFAHREN ZUR VERBESSERUNG DER NASSFESTIGKEIT VON PAPIER

Title (fr)

PROCEDE NON POLLUANT POUR AUGMENTER LA RESISTANCE HUMIDE DU PAPIER

Publication

**EP 0704007 B1 19971112 (FR)**

Application

**EP 94917691 A 19940527**

Priority

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- FR 9306904 A 19930609

Abstract (en)

[origin: WO9429523A1] Process for the manufacture of paper which provides a non-polluting method based on ionic lattices for giving wet strength. The process is characterized by successively adding to the fibrous composition a cationic polyelectrolyte, then a sulfonated anionic polyelectrolyte, for example, the acrylamide and acryloxyethyltrimethylammonium chloride copolymer and the acrylamide and 2-acrylamido-2-methylpropane sulfonate copolymer. The polyelectrolytes are used in an amount of 0.02 to 2.5 % by weight in relation to the dry weight mass of the cellulosic composition entering the head box. The process is non-polluting; and no AOX, formaldehyde or epichlorohydrine are produced when it is carried out. The paper formed is easily repulpable.

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**D21H 23/76**

IPC 8 full level

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