

Title (en)

METHOD FOR INCREASING DRY STRENGTH OF PAPER, PAPERBOARD AND CARDBOARD

Title (de)

VERFAHREN ZUR ERHÖHUNG DER TROCKENFESTIGKEIT VON PAPIER, PAPPE UND KARTON

Title (fr)

PROCÉDÉ DE FABRICATION POUR AUGMENTER LA RÉSISTANCE À SEC DE PAPIER ET DE CARTON PRÉSENTANT

Publication

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Application

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Abstract (en)

[origin: WO2010145956A1] The invention relates to a method for producing paper, paperboard, and cardboard having high dry strength, by adding (a) at least one trivalent cation in form of a salt; (b) at least one water-soluble cationic polymer; and (c) at least one water-soluble amphoteric polymer to the paper pulp, dehydrating the paper pulp while forming sheets, and subsequent drying of the paper product, wherein the water-soluble cationic polymer (b) is selected from the group of polymers containing vinylamine units (i), and from polymers containing ethylenimine units.

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Citation (opposition)

Opponent : **Kemira Oyj**

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- JP 2005226174 A 20050825 - KURITA WATER IND LTD
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- WO 2006071961 A1 20060706 - HERCULES INC [US]
- CA 2586076 A1 20060601 - BASF AG [DE]
- US 6132558 A 20001017 - DYLLICK-BRENNINGER RAINER [DE], et al
- US 6616807 B1 20030909 - DYLLICK-BRENNINGER RAINER [DE], et al

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