

Title (en)

POLYMER AND USE THEREOF IN THE PRODUCTION OF PAPER AND BOARD

Title (de)

POLYMER UND SEINE VERWENDUNG BEI DER HERSTELLUNG VON PAPIER UND PAPPE

Title (fr)

POLYMERES ET SON UTILISATION DANS LA PRODUCTION DE PAPIER ET DE CARTON

Publication

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Application

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Abstract (en)

[origin: WO02095128A1] As additive for the production of paper and board to improve the strength of a wet web a copolymer stabilized with a cationic polysaccharide is proposed in which copolymer an acrylamide of metacrylamide, vinylic carboxylic acid and optionally other vinylic monomers are used as monomers. The wet strength of a web means the strength of a paper or board web during production at a dry solids content of 20-60%. The additive according to the invention improves, in addition to the wet strength of the web, also the surface resistance of the product. Compared to the additives of the prior art, a small relative ratio of the number of the side chains to the cationic groups is used, because a polysaccharide having a higher cationic character provides better stability.

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