

Title (en)

PROCESS FOR PRODUCING PAPER AND BOARD HAVING A HIGH DRY STRENGTH

Publication

EP 0282761 B1 19920513 (DE)

Application

EP 88102520 A 19880220

Priority

DE 3706525 A 19870228

Abstract (en)

[origin: US4818341A] Paper and paperboard of high dry strength are produced by adding a dry strength enhancer to the paper stock and dewatering the paper stock with sheet formation by using as the dry strength enhancer a mixture of a cationic polymer which contains as characteristic monomers copolymerized units of (a) diallyldimethylammonium chloride, (b) N-vinylamine or (c) a substituted or unsubstituted N-vinylimidazoline and has a K value of not less than 30, and natural potato starch which is converted into a water-soluble form by heating in an aqueous medium at above the gelatinization temperature of natural potato starch in the absence of any oxidizing agents or alkali.

IPC 1-7

D21H 17/29; D21H 21/18

IPC 8 full level

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CPC (source: EP KR US)

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