

Title (en)
PROCESS FOR PRODUCING PAPER WITH A HIGH DRY STRENGTH

Publication
EP 0193111 A3 19870520 (DE)

Application
EP 86102199 A 19860220

Priority
DE 3506832 A 19850227

Abstract (en)
[origin: EP0193111A2] 1. A process for making paper having a high dry strength by adding (A) a water-soluble cationic polymer and (B) a water-soluble anionic polymer in succession to the paper stock and draining the latter with sheet formation by using component (A) in an amount of from 0.01 to 3% by weight and component (B) in an amount of from 0.05 to 3% by weight, based on dry paper stock in each case, component (B) being a homopolymer of an ethylenically unsaturated C3 -C5 -carboxylic acid or a copolymer having a K value of from 50 to 250 (determined according to H. Fikentscher at 20 degrees C in 5% strength aqueous sodium chloride solution and at a polymer concentration of 0.5% by weight) and having been formed from (a) from 35 to 99% by weight of an ethylenically unsaturated C3 -C5 -carboxylic acid, (b) from 65 to 1% by weight of an amide, nitrile and/or ester of an ethylenically unsaturated C3 -C5 -carboxylic acid and (c) from 0 to 15% by weight of styrene or of a C1 -C4 -alkyl vinyl ether, the sum of the percentages by weight in the copolymer being 100 in each case.

IPC 1-7
D21D 3/00; D21H 3/38

IPC 8 full level
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Citation (search report)
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• [X] US 3049469 A 19620814 - DAVISON ROBERT W
• [AD] EP 0013969 A1 19800806 - BASF AG [DE]
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