

Title (en)  
PROCESS FOR PRODUCING PAPER

Title (de)  
VERFAHREN ZUR PAPIERHERSTELLUNG

Title (fr)  
PROCEDE POUR LA FABRICATION DU PAPIER

Publication  
**EP 0700473 B1 20000405 (EN)**

Application  
**EP 93902274 A 19930120**

Priority  
• FI 9300019 W 19930120  
• FI 920246 A 19920120

Abstract (en)  
[origin: WO9314263A1] The invention relates to a process for the production of paper by adding to an aqueous fiber suspension, which possibly contains a filler, auxiliary agents for improving retention and/or dewatering, the auxiliary agents being a cationic long-chain polyacrylamide and an aluminum salt, and by dewatering the obtained fiber suspension during the sheet-forming stage. According to the invention, the said aqueous fiber suspension, possibly containing a filler, to which the cationic long-chain polyacrylamide has first been added, is subjected to shearing forces, whereafter there is added to it, directly before sheet forming, a polymeric aluminum salt or an aluminum salt, in which case a base or an acid is added, when necessary, to the said fiber suspension so that the pH be within the range 7-9 before the sheet forming, in which case aluminum hydroxy particles having anionic surface charges will be formed in situ.

IPC 1-7  
**D21H 23/76**; **D21H 21/10**

IPC 8 full level  
**D21H 17/44** (2006.01); **D21H 17/37** (2006.01); **D21H 17/45** (2006.01); **D21H 17/55** (2006.01); **D21H 17/56** (2006.01); **D21H 17/63** (2006.01); **D21H 17/65** (2006.01); **D21H 17/66** (2006.01); **D21H 21/10** (2006.01); **D21H 23/14** (2006.01)

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CPC (source: EP)  
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Cited by  
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