

Title (en)  
PROCESS FOR PRODUCING PAPER AND CARDBOARD

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON PAPIER UND KARTON

Title (fr)  
PROCEDE DE FABRICATION DE PAPIER ET DE CARTON

Publication  
**EP 0910701 A1 19990428 (DE)**

Application  
**EP 97930506 A 19970707**

Priority  
• DE 19627553 A 19960709  
• EP 9703574 W 19970707

Abstract (en)  
[origin: DE19627553A1] The invention relates to a process for producing paper and cardboard by dehydration of pulps, forming sheets and drying said sheets. Polyethylene imines of a molar mass Mw of greater than 500 000 or polymers containing vinyl amine units and having a molar mass of 5000 to 3 million are added to the pulps and subsequently, polymers containing cationic polyacrylic amides or vinyl amine units are added to said pulps, the molar masses Mw of the polymers being at least 4 million in each case. The pulp is then subjected to at least one shearing stage and flocculates by addition of bentonite, colloidal silicic acid or clay.

IPC 1-7  
**D21H 23/14**

IPC 8 full level  
**D21H 17/45** (2006.01); **D21H 17/56** (2006.01); **D21H 17/68** (2006.01); **D21H 23/14** (2006.01); **D21H 17/29** (2006.01); **D21H 17/37** (2006.01)

CPC (source: EP US)  
**D21H 23/14** (2013.01 - EP US); **D21H 17/29** (2013.01 - EP US); **D21H 17/375** (2013.01 - EP US); **D21H 17/455** (2013.01 - EP US); **D21H 17/56** (2013.01 - EP US); **D21H 17/68** (2013.01 - EP US)

Cited by  
US8029647B2; WO2005090678A1; US10113270B2; US8337665B2; US8486227B2; DE102008000811A1; US9404223B2; US7306701B2; US7998314B2; US8394237B2; WO2013127731A1; US9631319B2

Designated contracting state (EPC)  
AT BE CH DE ES FI FR GB IT LI NL SE

DOCDB simple family (publication)  
**US 6132558 A 20001017**; AT E196937 T1 20001015; CA 2258569 A1 19980115; CA 2258569 C 20050412; DE 19627553 A1 19980115; DE 59702462 D1 20001116; EP 0910701 A1 19990428; EP 0910701 B1 20001011; ES 2151736 T3 20010101; JP 2000514144 A 20001024; NO 990078 D0 19990108; NO 990078 L 19990108; WO 9801623 A1 19980115

DOCDB simple family (application)  
**US 14748699 A 19990108**; AT 97930506 T 19970707; CA 2258569 A 19970707; DE 19627553 A 19960709; DE 59702462 T 19970707; EP 9703574 W 19970707; EP 97930506 A 19970707; ES 97930506 T 19970707; JP 50478198 A 19970707; NO 990078 A 19990108