

Title (en)
METHOD FOR MAKING PAPER

Title (de)
VERFAHREN ZUR PAPIERHERSTELLUNG

Title (fr)
PROCEDE DE FABRICATION DE PAPIER

Publication
EP 0763159 A1 19970319 (FR)

Application
EP 96910068 A 19960328

Priority
• FR 9600468 W 19960328
• FR 9503823 A 19950331

Abstract (en)
[origin: WO9630591A1] A novel method for making paper using, within a fibrous composition, a cationic starch having a high fixed nitrogen content, i.e. one higher than 0.95 %, and a polyaluminium compound such as a (basic) polyaluminium chloride or a polyaluminium chlorosulphate. Even under difficult conditions, such as in the case of a waste paper-based fibrous composition or when a large number of circuits are closed, the method enables the starch retention rate and the physical properties of the paper to be improved, and even enables the machine speed to be increased by eliminating an optional paper surface treatment process. Said method is particularly suitable for making writing paper or packaging paper, and especially fluting or lining paper for corrugated cardboard.

IPC 1-7
D21H 17/29; **D21H 17/66**; **D21H 23/18**

IPC 8 full level
B31F 1/00 (2006.01); **D21H 17/29** (2006.01); **D21H 17/66** (2006.01); **D21H 23/18** (2006.01)

CPC (source: EP US)
D21H 17/29 (2013.01 - EP US); **D21H 17/66** (2013.01 - EP US); **D21H 23/18** (2013.01 - EP US)

Citation (search report)
See references of WO 9630591A1

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

DOCDB simple family (publication)
WO 9630591 A1 19961003; AT E210220 T1 20011215; AU 5338296 A 19961016; BR 9605947 A 19970819; CA 2190499 A1 19961003; DE 69617573 D1 20020117; DE 69617573 T2 20020801; DE 69617573 T3 20050811; EP 0763159 A1 19970319; EP 0763159 B1 20011205; EP 0763159 B2 20041208; ES 2169234 T3 20020701; FR 2732368 A1 19961004; FR 2732368 B1 19970606; JP H10501590 A 19980210; NO 317239 B1 20040927; NO 965024 D0 19961126; NO 965024 L 19961126; NZ 305397 A 19971219; US 5891305 A 19990406

DOCDB simple family (application)
FR 9600468 W 19960328; AT 96910068 T 19960328; AU 5338296 A 19960328; BR 9605947 A 19960328; CA 2190499 A 19960328; DE 69617573 T 19960328; EP 96910068 A 19960328; ES 96910068 T 19960328; FR 9503823 A 19950331; JP 52901896 A 19960328; NO 965024 A 19961126; NZ 30539796 A 19960328; US 73760297 A 19970113