

Title (en)
Process for producing paper.

Title (de)
Verfahren zur Papierherstellung.

Title (fr)
Procédé de fabrication du papier.

Publication
EP 0282415 A1 19880914 (FR)

Application
EP 88400568 A 19880310

Priority
FR 8703481 A 19870313

Abstract (en)
Process characterised in that one (or more) cationic starch(es) and one (or more) anionic starch(es) other than a starch phosphate are introduced, separately from each other, at two or more points (8, 12, 13, 14), especially at the wet end, into the fibre composition forming the raw material.
<IMAGE>

Abstract (fr)
Procédé de fabrication du papier caractérisé par le fait que l'on introduit dans la composition fibreuse constituant la matière première, en deux ou plusieurs points (8, 12, 13, 14), notamment en partie humide, séparément l'un de l'autre, un (ou plusieurs) amidon(s) cationique(s) et un (ou plusieurs) amidon(s) anionique(s) autre qu'un phosphate d'amidon.

IPC 1-7
D21D 3/00

IPC 8 full level
D21H 17/28 (2006.01); **D21H 23/76** (2006.01)

CPC (source: EP US)
D21H 17/28 (2013.01 - EP US); **D21H 23/765** (2013.01 - EP US)

Citation (search report)
• [A] FR 2435554 A1 19800404 - DALLE & LECOMTE PAPETERIES
• [AD] US 4066495 A 19780103 - VOIGT JOHN E, et al
• [A] TAPPI, vol. 56, no. 3, mars 1973, pages 83-86, Atlanta, Georgia, US; K.W. BRITT: "Retention of additives during sheet formation"

Cited by
US5891305A; FR2812669A1; FR2794479A1; US5932001A; US8911593B2; WO9964677A1; WO0075425A1; EP0786476A1; US8444820B2

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

DOCDB simple family (publication)
EP 0282415 A1 19880914; EP 0282415 B1 19910508; EP 0282415 B2 19991006; AT E63343 T1 19910515; AU 1304088 A 19880915; AU 608577 B2 19910411; CA 1302020 C 19920602; DE 3862661 D1 19910613; DK 135088 A 19880914; DK 135088 D0 19880311; DK 169573 B1 19941205; ES 2022649 B3 19911201; ES 2022649 T5 19991216; FI 881107 A0 19880309; FI 881107 A 19880914; FI 93133 B 19941115; FI 93133 C 19950227; FR 2612213 A1 19880916; FR 2612213 B1 19890630; GR 3001914 T3 19921123; GR 3032281 T3 20000427; JP 2667185 B2 19971027; JP S63264997 A 19881101; NO 170893 B 19920914; NO 170893 C 19921223; NO 881107 D0 19880311; NO 881107 L 19880914; PT 86961 A 19880401; PT 86961 B 19920630; US 5129989 A 19920714

DOCDB simple family (application)
EP 88400568 A 19880310; AT 88400568 T 19880310; AU 1304088 A 19880311; CA 561093 A 19880310; DE 3862661 T 19880310; DK 135088 A 19880311; ES 88400568 T 19880310; FI 881107 A 19880309; FR 8703481 A 19870313; GR 910400027 T 19910509; GR 990403369 T 19991229; JP 5855288 A 19880314; NO 881107 A 19880311; PT 8696188 A 19880311; US 67039091 A 19910315