

Title (en)

Process for producing paper and cardboard.

Title (de)

Verfahren zur Herstellung von Papier, Pappe und Karton.

Title (fr)

Procédé de préparation de papier et carton.

Publication

EP 0249891 A1 19871223 (DE)

Application

EP 87108446 A 19870611

Priority

DE 3620065 A 19860614

Abstract (en)

[origin: US4772359A] Paper, board and cardboard are produced by draining a pulp slurry in the presence of high molecular weight, water-soluble polymers of N-vinylamides as drainage aids, retention agents and flocculants. These polymers are particularly effective in a pulp slurry which has a high content of interfering substances and other phenolic compounds.

Abstract (de)

Verfahren zur Herstellung von Papier, Pappe und Karton durch Entwässern eines Papierstoffs in Gegenwart von hochmolekularen, wasserlöslichen Polymerisaten von N-Vinylamiden als Entwässerungs-, Retentions- und Flockungsmittel. Diese Polymerisate sind insbesondere in einem Papierstoff wirksam, der einen hohen Gehalt an Störstoffen oder anderen phenolischen Verbindungen aufweist.

IPC 1-7

D21H 3/38; D21D 3/00

IPC 8 full level

D21H 17/23 (2006.01); **D21H 17/34** (2006.01); **D21H 17/37** (2006.01); **D21H 17/47** (2006.01); **D21H 17/55** (2006.01); **D21H 23/76** (2006.01)

CPC (source: EP US)

D21H 17/34 (2013.01 - EP US); **D21H 17/37** (2013.01 - EP US)

Citation (search report)

- [X] US 3926718 A 19751216 - GUILBAULT LAWRENCE JAMES, et al
- [A] US 4167439 A 19790911 - KILLAM H SCOTT
- [A] US 3036950 A 19620529 - MARTIN RAY C
- [A] EP 0071050 A1 19830209 - BASF AG [DE]
- [A] US 4057533 A 19771108 - HORT EUGENE V, et al
- [A] DE 1165985 B 19640319 - ROHM & HAAS
- [A] DE 1157468 B 19631114 - ROHM & HAAS
- [A] GB 1141166 A 19690129 - GEN ANILINE & FILM CORP
- [A] TAPPI JOURNAL, Band 67, Nr. 9, September 1984, Seiten 110-114, Atlanta, Georgia, US; D.B. BRAUN et al.: "Filler and fiber retention in newsprint and groundwood specialties using poly[ethylene oxide]

Cited by

EP0438755A1; EP0649941A1; WO2012065951A1; WO2005090678A1; US8916026B2; US9567710B2; US8337665B2; US8486227B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0249891 A1 19871223; EP 0249891 B1 19900822; AT E55789 T1 19900915; AU 586781 B2 19890720; AU 7418387 A 19871217; CA 1287453 C 19910813; DE 3620065 A1 19871217; DE 3764407 D1 19900927; FI 872610 A0 19870611; FI 872610 A 19871215; FI 88062 B 19921215; FI 88062 C 19930325; JP 2605043 B2 19970430; JP S62299600 A 19871226; NO 166735 B 19910521; NO 166735 C 19910828; NO 872454 D0 19870612; NO 872454 L 19871215; NZ 220553 A 19890106; US 4772359 A 19880920; ZA 874222 B 19890222

DOCDB simple family (application)

EP 87108446 A 19870611; AT 87108446 T 19870611; AU 7418387 A 19870612; CA 538060 A 19870527; DE 3620065 A 19860614; DE 3764407 T 19870611; FI 872610 A 19870611; JP 14541787 A 19870612; NO 872454 A 19870612; NZ 22055387 A 19870604; US 5535487 A 19870529; ZA 874222 A 19870612