

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