

Title (en)

Use of a polyamide-polyamine-epichlor hydrine precondensate as an impregnation agent for paper.

Title (de)

Verwendung von Polyamid-Polyamin-Epichlorhydrin-Vorkondensat als Imprägniermittel für Papier.

Title (fr)

Utilisation de précondensat polyamide-polyamine-épichlorhydrine comme moyen d'impregnation pour papier.

Publication

EP 0351397 B1 19931222 (DE)

Application

EP 89890186 A 19890712

Priority

AT 180388 A 19880712

Abstract (en)

[origin: EP0351397A2] The invention relates to the use of a polyamide-polyamine/epichlorohydrin precondensate as an additive to the impregnating fluid for the surface treatment of paper, in particular raw paper for corrugated board, in a mixture with ligninsulphonic acid, where appropriate as the calcium salt of the sulphonic acid, the degree of condensation of the precondensate being about 500.

IPC 1-7

D21H 17/55; **D21H 17/23**

IPC 8 full level

D21H 17/55 (2006.01); **D21H 27/20** (2006.01); **D21H 17/28** (2006.01); **D21H 17/56** (2006.01)

CPC (source: EP)

D21H 17/55 (2013.01); **D21H 27/20** (2013.01); **D21H 17/28** (2013.01); **D21H 17/56** (2013.01)

Cited by

CN113690062A; US8118976B2

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0351397 A2 19900117; **EP 0351397 A3 19910515**; **EP 0351397 B1 19931222**; AT 392809 B 19910625; AT A180388 A 19901115; DE 58906478 D1 19940203

DOCDB simple family (application)

EP 89890186 A 19890712; AT 180388 A 19880712; DE 58906478 T 19890712