

Title (en)

Process for preparing p-Aramid paper, p-Aramid paper, p-Aramid pulp, and the use of the paper and the pulp

Title (de)

Verfahren zur Herstellung von p-Aramid Papier, p-Aramid Papier, p-Aramid Pulpe und die Verwendung des Papiers und der Pulpe

Title (fr)

Procedé de préparation de papier de p-Aramide, papier de p-Aramide, pulpe de p-Aramide et l'utilisation du papier et de la pulpe

Publication

EP 1277880 A1 20030122 (DE)

Application

EP 01117805 A 20010721

Priority

EP 01117805 A 20010721

Abstract (en)

Preparation of p-aramid paper includes treatment of p-aramid pulp with an aqueous or alcoholic solution base solution and treatment of the pulp obtained to give p-aramid paper. Preparation of p-aramid paper includes: (a) treatment of p-aramid pulp with an aqueous or alcoholic solution base solution at a temperature higher than 25 degrees C up to the b. pt. of the solution to give a treated pulp; and (b) treatment of the pulp obtained to give p-aramid paper is new. Independent claims are included for: (1) p-aramid paper obtained as above; and (2) p-aramid pulp with a Schopper-Riegler value of 80-85.

Abstract (de)

Ein Verfahren zur Herstellung von p-Aramid Papier umfassend die Schritte a) Behandlung von p-Aramid Pulpe mit einer wässrigen oder alkoholischen Lösung einer Base in einem Temperaturbereich von > 25 °C bis zum Siedepunkt der Lösung, wodurch eine behandelte Pulpe resultiert, und b) Verarbeitung der behandelten Pulpe zu p-Aramid Papier führt zu einem p-Aramid Papier mit erhöhter Zugfestigkeit.

IPC 1-7

D21H 13/26

IPC 8 full level

D21H 13/26 (2006.01)

CPC (source: EP)

D21H 13/26 (2013.01)

Citation (search report)

- [XY] US 5833807 A 19981110 - RAMACHANDRAN SESHADRI [US], et al
- [X] US 5202184 A 19930413 - BRIERRE ROLAND T [US], et al
- [A] US 3880710 A 19750429 - PATTISON VICTOR A
- [A] EP 0572002 A2 19931201 - SUMITOMO CHEMICAL CO [JP], et al
- [A] US 5644003 A 19970701 - ARAI NORIYUKI [JP], et al
- [A] WO 9405854 A1 19940317 - AKZO NV [NL], et al
- [A] US 6045897 A 20000404 - SAKAI MASAYUKI [JP], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 012, no. 092 (C - 483) 25 March 1988 (1988-03-25)
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 496 (C - 0894) 16 December 1991 (1991-12-16)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1277880 A1 20030122

DOCDB simple family (application)

EP 01117805 A 20010721