

Title (en)

Process for bleaching mechanical pulp.

Title (de)

Verfahren zum Bleichen von mechanischer Pulpe.

Title (fr)

Procédé de blanchiment de pâte mécanique.

Publication

EP 0311356 A1 19890412 (EN)

Application

EP 88309239 A 19881004

Priority

US 10460787 A 19871005

Abstract (en)

A two-stage process for bleaching mechanical pulp is claimed incorporating a first reductive stage followed by a second peroxygen stage.

IPC 1-7

D21C 9/10

IPC 8 full level

D21C 9/10 (2006.01); **D21C 9/16** (2006.01)

CPC (source: EP)

D21C 9/1057 (2013.01)

Citation (search report)

- [X] US 2290601 A 19420721 - REICHERT JOSEPH S, et al
- [X] DE 834808 C 19520324 - DEGUSSA
- [X] DE 1171723 B 19640604 - MO OCH DOMSJOE AB
- [XP] EP 0263040 A1 19880406 - ATOCHEM [FR]
- [X] ABSTRACTS BULLETIN OF THE INSTITUTE OF PAPER CHEMISTRY, vol. 53, no. 2, August 1982, page 260, no. 2296, Appleton, Wisconsin, US; & JP-A-57 005 992 (MITSUBISHI GAS CHEMICAL CO., INC.) 12-01-1982

Cited by

EP0446110A1; FR2659363A1; US5143581A; WO2021053446A1; WO0159205A1; US11591751B2; US11840805B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0311356 A1 19890412; AU 2335788 A 19890525; BR 8805098 A 19890516; FI 884558 A0 19881004; FI 884558 A 19890406; JP H0197291 A 19890414; JP H0229791 B2 19900702; NO 884398 D0 19881004; NO 884398 L 19890406; ZA 887477 B 19890628

DOCDB simple family (application)

EP 88309239 A 19881004; AU 2335788 A 19881004; BR 8805098 A 19881004; FI 884558 A 19881004; JP 23513288 A 19880921; NO 884398 A 19881004; ZA 887477 A 19881005