

Title (en)

Process for bleaching chemical cellulose pulps.

Title (de)

Verfahren zum Bleichen von chemischen Zellstoffen.

Title (fr)

Procédé de blanchiment de pâtes cellulosiques chimiques.

Publication

EP 0433138 B1 19940817 (FR)

Application

EP 90403462 A 19901206

Priority

FR 8916322 A 19891211

Abstract (en)

[origin: EP0433138A1] Process for bleaching chemical cellulose pulps with a view to obtaining absorbent, bleached pulps, without using chlorine. The process for bleaching chemical pulps employs a sequence of different treatments comprising at least one treatment with a bleaching agent not containing chlorine, at least two alkaline treatments and at least one acidic treatment, lasting at least 5 minutes, inserted between the two alkaline treatments.

IPC 1-7

D21C 9/10; D21C 9/08

IPC 8 full level

D21C 9/10 (2006.01)

CPC (source: EP)

D21C 9/1057 (2013.01)

Cited by

FR2695947A1; US5571377A; US6306253B2; BE1007700A3; US6736934B1; WO9411568A1; WO9512709A1; WO9625552A1; WO9605364A1; WO9609434A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0433138 A1 19910619; **EP 0433138 B1 19940817**; AT E110129 T1 19940915; DE 69011636 D1 19940922; DE 69011636 T2 19950126; DK 0433138 T3 19941205; ES 2062463 T3 19941216; FI 906076 A0 19901210; FI 906076 A 19910612; FI 96784 B 19960515; FR 2655668 A1 19910614; FR 2655668 B1 19950609; NO 176809 B 19950220; NO 176809 C 19950531; NO 905333 D0 19901210; NO 905333 L 19910612

DOCDB simple family (application)

EP 90403462 A 19901206; AT 90403462 T 19901206; DE 69011636 T 19901206; DK 90403462 T 19901206; ES 90403462 T 19901206; FI 906076 A 19901210; FR 8916322 A 19891211; NO 905333 A 19901210