

Title (en)

Process poor in chlorine for the bleaching and delignification of cellulosic pulp.

Title (de)

Verfahren zur chlorarmen Bleiche und Delignifizierung von Zellstoff.

Title (fr)

Procédé pour le blanchiment et la délignification pauvre en chlore de pâtes cellulósiques.

Publication

**EP 0479319 B1 19950405 (DE)**

Application

**EP 91116992 A 19911004**

Priority

DE 4031597 A 19901005

Abstract (en)

[origin: EP0479319A1] A process for low-chlorine bleaching and delignification of pulp is described, a pulp prebleached in an at least two-stage bleaching sequence being treated in an extractive final bleach separately with an aqueous solution of cyanamide and an alkaline solution of hydrogen peroxide. In this way, pulps of high degrees of whiteness can be produced in a chlorine-free final bleach.

IPC 1-7

**D21C 9/10**; **D21C 9/16**

IPC 8 full level

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

CPC (source: EP)

**D21C 9/1036** (2013.01); **D21C 9/1057** (2013.01); **D21C 9/163** (2013.01)

Citation (examination)

J.P. Casey "Pulp and paper; Chemistry and Chemical Technology" dritte Auflage, Band 1, 1980, John Wiley & Sons, New York, Seiten 663, 669, 677, 678, 694-696.

Cited by

DE102009045628A1; EP2314761A1

Designated contracting state (EPC)

AT CH DE ES FR IT LI SE

DOCDB simple family (publication)

**EP 0479319 A1 19920408**; **EP 0479319 B1 19950405**; AT E120815 T1 19950415; CA 2052758 A1 19920406; DE 4031597 A1 19920409; DE 59105105 D1 19950511; ES 2070388 T3 19950601; FI 914694 A0 19911004; FI 914694 A 19920406; NO 913848 D0 19911001; NO 913848 L 19920406

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**EP 91116992 A 19911004**; AT 91116992 T 19911004; CA 2052758 A 19911003; DE 4031597 A 19901005; DE 59105105 T 19911004; ES 91116992 T 19911004; FI 914694 A 19911004; NO 913848 A 19911001