

Title (en)

Method of washing pulp in connection with bleaching

Title (de)

Verfahren zum Waschen von Zellstoff beim Bleichen

Title (fr)

Procédé pour le lavage de pâte à papier pendant le blanchiment

Publication

EP 0884415 B1 20021120 (EN)

Application

EP 98113684 A 19930525

Priority

- EP 93910051 A 19930525
- FI 930954 A 19930303

Abstract (en)

[origin: EP0884415A1] The present invention is directed to a method of washing pulp in connection with bleaching, in which method the pulp is bleached in a first bleaching arrangement, washed in a first washer, bleached in a second bleaching arrangement, and washed in a second washer in such a manner that the washing liquid is recirculated from said second washer to said first washer countercurrent to the pulp flow, characterized in introducing washing liquid to said second washer for washing the pulp coming from said second bleaching arrangement, displacing with said washing liquid at least two different filtrates, collecting said at least two different filtrates separately, and using said at least two filtrates separately upstream of said second washer as washing liquids.

IPC 1-7

D21C 9/02; D21C 9/10

IPC 8 full level

D21C 9/02 (2006.01); **D21C 9/10** (2006.01); **D21C 9/147** (2006.01); **D21C 9/153** (2006.01); **D21C 9/16** (2006.01)

IPC 8 main group level

D21C (2006.01)

CPC (source: EP)

D21C 9/02 (2013.01); **D21C 9/1026** (2013.01); **D21C 9/1036** (2013.01); **D21C 9/1042** (2013.01); **D21C 9/1057** (2013.01); **D21C 9/147** (2013.01); **D21C 9/153** (2013.01); **D21C 9/163** (2013.01)

Designated contracting state (EPC)

AT DE ES FR PT SE

DOCDB simple family (publication)

WO 9420673 A1 19940915; AT E176808 T1 19990315; AT E228181 T1 20021215; AU 5370594 A 19940926; BR 9307858 A 19960227; CA 2157109 A1 19940915; CA 2157109 C 20020903; DE 69323566 D1 19990325; DE 69323566 T2 19990715; DE 69332508 D1 20030102; DE 69332508 T2 20030703; EP 0687321 A1 19951220; EP 0687321 B1 19990217; EP 0884415 A1 19981216; EP 0884415 B1 20021120; ES 2130260 T3 19990701; ES 2186948 T3 20030516; FI 930954 A0 19930303; FI 930954 A 19940904; FI 93232 B 19941130; FI 93232 C 19950310; FI 934036 A0 19930915; FI 934036 A 19940904; FI 954093 A0 19950830; FI 954093 A 19951017; FI 98223 B 19970131; JP 3276083 B2 20020422; JP H08509781 A 19961015; NO 953444 D0 19950901; NO 953444 L 19951019; PT 884415 E 20030331; RU 2126471 C1 19990220

DOCDB simple family (application)

FI 9300222 W 19930525; AT 93910051 T 19930525; AT 98113684 T 19930525; AU 5370594 A 19930525; BR 9307858 A 19930525; CA 2157109 A 19930525; DE 69323566 T 19930525; DE 69332508 T 19930525; EP 93910051 A 19930525; EP 98113684 A 19930525; ES 93910051 T 19930525; ES 98113684 T 19930525; FI 930954 A 19930303; FI 934036 A 19930915; FI 954093 A 19950830; JP 51962394 A 19930525; NO 953444 A 19950901; PT 98113684 T 19930525; RU 95122814 A 19930525