

Title (en)

METHOD FOR OZONE BLEACHING PAPER PULP

Title (de)

OZONBLEICHVERFAHREN UVON ZELLSTOFF

Title (fr)

PROCEDE DE BLANCHIMENT DE PATES A PAPIER PAR L'OZONE

Publication

EP 0712453 A1 19960522 (FR)

Application

EP 94922284 A 19940720

Priority

- FR 9400910 W 19940720
- FR 9308967 A 19930721

Abstract (en)

[origin: WO9503448A1] A method for ozone bleaching unbleached chemical paper pulp in a single ozone stage and in the presence of a tertiary alcohol including four to eight carbon atoms which is fed into the reaction medium at a temperature of - 5 DEG C to 80 DEG C prior to the actual ozone treatment stage, whereby the gas-liquid transfer, the exchange potentiality, the lignin oxidation selectivity and the ozone efficiency are improved, and the consistency of the treated pulp undergoing ozone treatment is between 6 and 60 %.

IPC 1-7

D21C 9/153; **D21C 9/10**

IPC 8 full level

D21C 9/10 (2006.01); **D21C 9/153** (2006.01)

CPC (source: EP)

D21C 9/1036 (2013.01); **D21C 9/153** (2013.01)

Citation (search report)

See references of WO 9503448A1

Designated contracting state (EPC)

DE ES FR PT SE

DOCDB simple family (publication)

FR 2708010 A1 19950127; **FR 2708010 B1 19950922**; BR 9407083 A 19960813; CA 2167605 A1 19950202; DE 69406457 D1 19971127; DE 69406457 T2 19980219; DE 712453 T1 19961024; EP 0712453 A1 19960522; EP 0712453 B1 19971022; ES 2086272 T1 19960701; ES 2086272 T3 19971216; FI 960297 A0 19960122; FI 960297 A 19960122; JP H09505357 A 19970527; WO 9503448 A1 19950202

DOCDB simple family (application)

FR 9308967 A 19930721; BR 9407083 A 19940720; CA 2167605 A 19940720; DE 69406457 T 19940720; DE 94922284 T 19940720; EP 94922284 A 19940720; ES 94922284 T 19940720; FI 960297 A 19960122; FR 9400910 W 19940720; JP 50497995 A 19940720