

Title (en)

MEDIUM CONSISTENCY OZONE BRIGHTENING OF HIGH CONSISTENCY OZONE BLEACHED PULP

Title (de)

MITTLERES KONSISTENZ-OZONBLEICHEN VON HOCHKONSISTENZ-OZONGEBLEICHTEM ZELLSTOFF

Title (fr)

BLANCHIMENT D'UNE P TE A PAPIER A CONCENTRATION MOYENNE AVEC DE L'OZONE, APRES DECOLORATION DE CETTE P TE A HAUTE CONCENTRATION AVEC DE L'OZONE

Publication

EP 0717800 A4 19981028 (EN)

Application

EP 94928024 A 19940901

Priority

- US 9410050 W 19940901
- US 11677693 A 19930903

Abstract (en)

[origin: WO9506773A1] A process for delignifying and bleaching a lignocellulosic material (2) without the use of elemental chlorine or chlorine-containing compounds by forming (4) a pulp, oxygen delignifying (40) the pulp and thereafter further delignifying the oxygen delignified pulp by lifting, displacing and tossing the pulp in a radial direction while advancing it in an axial direction in a plug flow-like manner with an effective amount of ozone (88) for a sufficient time to obtain a substantially delignified pulp having a GE brightness of at least about 35 %. The substantially delignified pulp may then be brightened to a final product by treating the pulp with a brightening stage peroxide compound, followed by subsequently treating the pulp at low to medium consistency with ozone.

IPC 1-7

D21C 9/153; **D21C 9/16**

IPC 8 full level

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

CPC (source: EP SE)

D21C 9/1057 (2013.01 - EP); **D21C 9/147** (2013.01 - EP); **D21C 9/153** (2013.01 - EP SE); **D21C 9/163** (2013.01 - EP); **D21C 9/163** (2013.01 - SE)

Citation (search report)

- [Y] EP 0426652 A1 19910508 - CHEMIEFASER LENZING AG [AT]
- [Y] WO 9118145 A1 19911128 - UNION CAMP CORP [US]
- [Y] EP 0557112 A1 19930825 - KAMYR INC [US]
- See also references of WO 9506773A1

Designated contracting state (EPC)

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US 9410050 W 19940901; AU 7721694 A 19940901; BR 9407457 A 19940901; CA 2170733 A 19940901; EP 94928024 A 19940901; FI 960973 A 19960301; SE 9600773 A 19960228; ZA 946807 A 19940905