

Title (en)

Method for bleaching lignocellulose-containing pulp

Title (de)

Verfahren zum Bleichen von Lignozellulose-enthaltendem Zellstoff

Title (fr)

Procédé pour le blanchiment de pâte à papier contenant de la lignocellulose

Publication

EP 0622491 B2 20020717 (EN)

Application

EP 94200924 A 19940405

Priority

- SE 9301293 A 19930420
- SE 9301294 A 19930420

Abstract (en)

[origin: EP0622491A2] In a method for bleaching lignocellulose-containing pulp with a peroxide-containing compound, the pulp is, prior to the bleaching and in optional order, subjected to acid treatment at a pH of up to about 5 and treated with a complexing agent in order to release transition metal ions from their positions in the pulp. After the acid treatment, a magnesium compound and a calcium compound are added to the pulp at a pH of from about 3.5 to about 8 in order to reintroduce an optimum amount of magnesium and calcium ions into the pulp. The pulp is then bleached with a peroxide-containing compound at a pH of from about 7 to about 13.

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 9/1005 (2013.01); **D21C 9/1042** (2013.01); **D21C 9/16** (2013.01)

Citation (opposition)

Opponent :

- WO 7900637 A1 19790906 - MO OCH DOMSJÖE AB [SE]
- F.L. Fennell et al, "Hydrogen peroxide for bleaching kraft pulp", Tappi, vol. 51, n° 1, January 1968, pages 62A-66A.

Cited by

US6306253B2; BE1010617A3; EP2022887A4; BE1010677A3; BE1011784A3; BE1010678A3; BE1010679A3; AU2003216028B2; CN1312354C; US6706143B1; US6736934B1; US6776876B1; WO9811295A1; WO2008060519A3; WO2004099492A3; WO03083208A1; US6258208B1; WO9816683A1; WO9715713A1; WO9946440A1; WO9625552A1; WO2007132836A1; US8268123B2; US8864942B2

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