

Title (en)

Process for bleaching of chemically digested lignocellulose-containing pulp

Title (de)

Verfahren zum Bleichen von chemisch aufgelösten Lignocellulose enthaltenden Zellstoffen

Title (fr)

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

Publication

**EP 0595386 B2 20020717 (EN)**

Application

**EP 93202821 A 19931004**

Priority

SE 9203200 A 19921029

Abstract (en)

[origin: EP0595386A1] The present invention relates to a process for bleaching of lignocellulose-containing pulp, in which the pulp is treated at a pH between about 1 and about 7 in the presence of a magnesium compound, whereupon the pulp is washed and subsequently bleached with a peroxide-containing compound. The initial treatment removes from the pulp those trace metal ions that have a negative effect on the subsequent bleaching with a peroxide-containing compound. Owing to the presence of magnesium ions in dissolved form during the initial treatment, the magnesium ions are retained in those positions in the pulp where they have a particularly positive effect on the effectiveness of the bleaching stage.

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IPC 8 full level

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CPC (source: EP)

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Citation (opposition)

Opponent :

- EP 0480469 A2 19920415 - REPAP TECHNOLOGIES INC [US]
- US 4222819 A 19800916 - FOSSUM GRETA K, et al
- EP 0415149 A2 19910306 - DEGUSSA [DE]
- Tappi. vol. 51, n°1, January 1968, F.L. Fennel et al, "Hydrogen Peroxide for Bleaching Kraft Pulp", pp. 62A-66A
- R.P. Singh, The Bleaching of Pulp, 3rd Ed., revised, Tappi Press, 1979, pp. 642-643
- English translation of JP-A-52063402

Cited by

EP2180095A1; US6524437B1

Designated contracting state (EPC)

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