

Title (en)

A WOOD DELIGNIFICATION CHEMICAL PROCESS USING AMMONIUM MAGNESIUM BISULPHITE AS THE ACTIVE REAGENT

Title (de)

EIN HOLZDESIGNIFIZIERENDES CHEMISCHES VERFAHREN WOBEI AMMONIUM MAGNISEIUM BISULFIT ALS AKTIVES REAGENZVERWENDET WIRD

Title (fr)

PROCEDE CHIMIQUE DE DELIGNIFICATION DU BOIS UTILISANT COMME REACTIF ACTIF LE BISULFITE D'AMMONIUM ET DE MAGNESIUM

Publication

EP 0977918 A1 20000209 (EN)

Application

EP 98914170 A 19980420

Priority

- PT 9800002 W 19980420
- PT 10199997 A 19970428

Abstract (en)

[origin: US2002153108A1] The present innovation consists of the use of a reagent solution (FINAL COOKING ACID) where ammonium magnesium bisulphite is the active chemical. This new process is particularly useful to those industrial plants where the cellulose pulp is obtained by the magnesium acid process. The present innovation consists of the introduction of ammonium ions in the cooking acid used in such plants (initial cooking acid). The final cooking acid is obtained by the reaction of the initial cooking acid with ammonium hydroxide. Experimental results show the superiority of the present innovation over the magnesium acid bisulphite pulping process which is expressed by production of cellulosic fibres with higher mechanico-physical index values, decrease in the percentage of uncooked material, increase in wood yield and less environmental impact.

IPC 1-7

D21C 3/10; **D21C 3/14**

IPC 8 full level

D21C 3/10 (2006.01); **D21C 3/14** (2006.01)

CPC (source: EP US)

D21C 3/10 (2013.01 - EP US); **D21C 3/14** (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE ES FI FR GB LI PT SE

DOCDB simple family (publication)

WO 9849390 A1 19981105; AT E362010 T1 20070615; AU 6858698 A 19981124; AU 738720 B2 20010927; BR 9809423 A 20000613; DE 69837755 D1 20070621; DE 69837755 T2 20080131; EP 0977918 A1 20000209; EP 0977918 B1 20070509; PT 101999 A 19981130; PT 101999 B 20030930; US 2002153108 A1 20021024

DOCDB simple family (application)

PT 9800002 W 19980420; AT 98914170 T 19980420; AU 6858698 A 19980420; BR 9809423 A 19980420; DE 69837755 T 19980420; EP 98914170 A 19980420; PT 10199997 A 19970428; US 40386499 A 19991228