

Title (en)

Process for the delignification and bleaching of chemical paper pulp

Title (de)

Verfahren zur Delignifizierung und Bleichen von chemischen Papierzellstoffen

Title (fr)

Procédé de délignification et de blanchiment de pâtes à papier chimiques

Publication

EP 0801169 A1 19971015 (FR)

Application

EP 97400497 A 19970304

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Abstract (en)

The delignification and bleaching of a chemical paste comprises a pretreatment with a complexing or sequestering transition metal complex followed by treatment with hydrogen peroxide at a temperature T greater than 100 degrees C, a pressure greater than 1.5 times the pressure of saturated water vapour at temperature T and in the presence of a polymer with monomer units of formula $-\dot{A}C(R_1)(R_2)-C(OH)(COOM)\dot{U}-$ (I) and/or (II) and in the presence of a compound A selected from potassium hydroxide, sodium hydroxide and alkali(ne earth) metal carbonates. In the formulae, R₁, R₂ = optionally different, H, 1-3C alkyl-group, M = H, ammonium group or alkali metal or alkaline earth metal.

Abstract (fr)

La présente invention concerne un procédé de délignification et de blanchiment de pâtes à papier chimiques comprenant une ou plusieurs étape(s) de traitement par le peroxyde d'hydrogène, à une température supérieure à 100° C et sous pression élevée en présence d'un polymère et d'un composé A choisi parmi l'hydroxyde de potassium, l'hydroxyde de sodium et les carbonates d'un métal alcalin ou alcalino-terreux.

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Citation (search report)

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