

Title (en)

BLEACHING OF CELLULOSE PULP IN A FIRST CHLORINE DIOXIDE BLEACHING STEP

Title (de)

BLEICHEN VON ZELLSTOFF IN EINER ERSTEN CHLORDIOXIDBLEICHSTUFE

Title (fr)

BLANCHIMENT DE PATE CELLULOSIQUE AU COURS D'UNE PREMIERE ETAPE DE BLANCHIMENT AU BIOXYDE DE CHLORE

Publication

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Application

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Abstract (en)

[origin: WO2004079087A1] The invention concerns a method for bleaching cellulose pulp having an MC consistency in a first step with chlorine dioxide in a bleaching sequence with several bleaching steps. The pulp is bleached in this first chlorine dioxide step in a first phase at a lower temperature of 60 +/- 10 °C during a retention time of from 30 seconds to 30 minutes, after which the pulp is heated by at least 10 °C to a reaction temperature of 90 +/- 10 °C for a second phase, which has a retention time of 60-200 minutes. With this process modification of a first chlorine dioxide step, an efficient destruction of undesired organic acids is obtained, while at the same time improved viscosity/strength of the pulp can be obtained of the finally bleached pulp with a whiteness of approximatels 90 % ISO.

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