

Title (en)

A METHOD FOR REDUCING THE ENERGY CONSUMPTION AT THE REFINING OF A PULP SUSPENSION IN A PAPERMAKING PROCESS AND USE OF SODIUM BICARBONATE IN PAPERMAKING

Title (de)

VERFAHREN ZUR REDUZIERUNG DES STROMVERBRAUCHS BEI DER VERFEINERUNG EINER ZELLSTOFFSUSPENSION IN EINEM PAPIERHERSTELLUNGSVERFAHREN UND VERWENDUNG VON NATRIUMBICARBONAT BEI DER PAPIERHERSTELLUNG

Title (fr)

PROCÉDÉ DESTINÉ À RÉDUIRE LA CONSOMMATION D'ÉNERGIE LORS DU RAFFINAGE D'UNE PÂTE EN SUSPENSION DANS UN PROCESSUS DE FABRICATION DE PAPIER ET UTILISATION DE BICARBONATE DE SODIUM POUR LA FABRICATION DU PAPIER

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Application

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Abstract (en)

[origin: WO2008132228A1] The invention relates to a method for reducing the energy consumption at the refining of a pulp suspension in a papermaking process. The reducing of the energy consumption is provided by treating said pulp suspension with non-stoichiometric sodium bicarbonate. Due to the treatment with sodium bicarbonate the calcium hardness value of the said pulp suspension is decreased to a level having an advantageous effect on the energy consumption and at the same time the pH value is adjusted and maintained at the desired level in the refining and preferably also throughout the subsequent paper making. The invention also relates to use of non-stoichiometric sodium bicarbonate in the papermaking process.

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Citation (search report)

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