

Title (en)

METHOD AND CHEMICAL COMPOSITION TO IMPROVE EFFICIENCY OF MECHANICAL PULP

Title (de)

VERFAHREN UND CHEMISCHE ZUSAMMENSETZUNG ZUR VERBESSERUNG DER SUBSTANZAUSNUTZUNG VON HOLZSTOFF

Title (fr)

PROCÉDÉ ET COMPOSITION CHIMIQUE POUR AMÉLIORER LE RENDEMENT DE PÂTE MÉCANIQUE

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Application

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Abstract (en)

[origin: US2010224333A1] The invention provides a composition of matter and a method, which enhance the process of mechanically pulping paper precursors. The composition of matter includes a small quantity of a reducing agent and a source of alkali. When added to the pulped material, e.g., wood chips, before or during mechanical pulping, the composition reduces the energy cost of the operation. In addition, not only does the composition also does not reduce the brightness of pulp, the composition can also enhance the effectiveness of subsequent bleaching processes.

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