

Title (en)

PROCESS FOR PRODUCING MECHANICAL PULP

Title (de)

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Title (fr)

PROCÉDÉ POUR PRODUIRE UNE PÂTE MÉCANIQUE

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Abstract (en)

[origin: WO2010139589A1] The present invention relates to a process for preparing a high-yield pulp comprising a) treating a lignocellulose containing material chemically by means of an oxidising system comprising at least one non-enzymatic oxidant and an activator and optionally an alkali at a pH from about 2 to about 6.5; and b) treating the lignocellulose containing material mechanically in at least one mechanical treatment stage for a time sufficient to produce a high-yield pulp, wherein the lignocellulose containing material is chemically treated prior to and/or during at least one mechanical treatment stage, wherein the temperature of the lignocellulosic material before, during and/or after at least one mechanical treatment stage of the process ranges from about 45°C to about 200°C for a period of time ranging from about 1 second to about 5 hours and wherein oxidant is present: wherein oxidant is present: (i) after addition of alkali provided alkali is added to the oxidising system and/or (ii) after said at least one mechanical treatment stage.

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