Title (en)

METHOD FOR PRODUCING HT-CTMP HAVING HIGH TENSILE STRENGTH

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HT-CTMP MIT HOHER ZUGFESTIGKEIT

Title (fr)

PROCÉDÉ DE PRODUCTION DE HT-CTMP AYANT UNE RÉSISTANCE À LA TRACTION ÉLEVÉE

Publication

EP 4389964 A1 20240626 (EN)

Application

EP 22215619 A 20221221

Priority

EP 22215619 A 20221221

Abstract (en)

There is provided a bleached high temperature chemithermomechanical pulp and a method for producing said HT-CTMP comprising the steps:a) providing wood chips comprising softwood, hardwood or mixtures thereof;b) impregnating the wood chips with an impregnation liquid to obtain impregnated chips;c) transferring the impregnated chips to a heating zone without compressing the impregnated chips;d) heating the impregnated chips in the heating zone with steam having a temperature of above 140 °C, such as at least 150 °C, such as at least 160 °C, to obtain pre-treated chips;e) defibrating the pre-treated chips to obtain a pulp;f) bleaching the pulp to obtain a bleached pulp; andg) refining the bleached pulp at a consistency of 3-8 wt. % to obtain bleached HT-CTMP.

IPC 8 full level

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Citation (search report)

- [XI] US 4798651 A 19890117 - KOKTA BOHUSLAV [CA]
- [XI] WO 03000982 A1 20030103 - HOLMEN AKTIEBOLAG [SE], et al
- [I] US 4486267 A 19841204 - PRUSAS ZENON C [US]

Designated contracting state (EPC)

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