

Title (en)

METHOD FOR OXYGEN DELIGNIFICATION OF CELLULOSE PULP BY MIXING OF CHEMICALS

Title (de)

VERFAHREN ZUR SAUERSTOFFDELIGNIFIZIERUNG VON CELLULOSEPULPE MITTELS VERMISCHUNG VON CHEMIKALIEN

Title (fr)

PROCEDE DE DELIGNIFICATION A L'OXYGENE DE LA PATE A PAPIER PAR MELANGE DE SUBSTANCES CHIMIQUES

Publication

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Application

EP 05777705 A 20050905

Priority

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Abstract (en)

[origin: WO2006071163A1] The invention relates to a method for the improved oxygen delignification of cellulose pulp with a medium consistency of 8-16 %. The fraction of dissolved oxygen can be maintained at a high level throughout the process by the use of high pressure, greater than 15.0 bar, and by repeated agitative mixing while maintaining the high pressure, such that as large a fraction as just over 20% of the total oxygen added is dissolved in the fluid phase, and such that the amount of oxygen in the fluid phase is maintained at a high level throughout the complete high pressure section. This means that the amount of oxygen that is dissolved in the fluid phase and that penetrates the cellulose fibres can be maintained at an optimal high level throughout the process for improved delignification of the cellulose.

IPC 8 full level

D21C 9/147 (2006.01)

IPC 8 main group level

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CPC (source: EP SE US)

D21C 9/147 (2013.01 - EP SE US)

Citation (search report)

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- See also references of WO 2006071163A1

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