

Title (en)  
PROCEDURE AND SYSTEM FOR CONTROL OF A REFINER TO IMPROVE ENERGY EFFICIENCY AND PULP QUALITY

Title (de)  
VERFAHREN UND SYSTEM ZUR STEUERUNG EINES REFINERS IN RICHTUNG VERBESSERTER ENERGIEEFFIZIENZ UND STOFFQUALITÄT

Title (fr)  
PROCÉDURE ET SYSTÈME DE COMMANDE D'UN RAFFINEUR AFIN D'AMÉLIORER LE RENDEMENT EN ÉNERGIE ET LA QUALITÉ DE PÂTE

Publication  
**EP 2370628 A1 20111005 (EN)**

Application  
**EP 08875398 A 20081201**

Priority  
EP 2008066556 W 20081201

Abstract (en)  
[origin: WO2010063310A1] A method is described for controlling a process section for thermo-mechanical pulp (TMP) refining. The process section has at least one first refiner having a plurality of sensors arranged in a predetermined position on a refiner plate of the at least one first refiner. The method comprises measuring, alternatively estimating, one or more process variables representing external states outside of the refiner Formula (I) for said process section and measuring, alternatively estimating, one or more values representing one or more internal states states Formula (II) inside said at least one first refiner, and by calculating a change for said at least one manipulated variable (u 1 ) for said at least one refiner using said measurement of an internal state Formula (II) of said at least one refiner and a measurement of said one or more process external states Formula (I) for said process section by means of a mathematical process model.

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