

Title (en)

METHOD AND DEVICE FOR INCREASING A SOLID MATTER CONTENT IN A MATERIAL, CONTROL DEVICE, INSTALLATION FOR PROCESSING A MATERIAL AND PAPER MILL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERHÖHUNG EINES FESTSTOFFGEHALTS BEI EINEM GRUNDSTOFF, STEUEREINRICHTUNG, ANLAGE ZUR BEARBEITUNG EINES GRUNDSTOFFS UND PAPIERFABRIK

Title (fr)

PROCÉDÉ ET DISPOSITIF DESTINÉS À AUGMENTER UNE TENEUR EN MATIÈRE SOLIDE D'UNE MATIÈRE PREMIÈRE, DISPOSITIF DE COMMANDE, INSTALLATION DE TRAITEMENT D'UNE MATIÈRE PREMIÈRE ET FABRICATION DE PAPIER

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Application

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Abstract (en)

[origin: WO2016180627A1] The invention relates to a method, a device and a system for increasing a solids content in a raw material (1), in particular for increasing the solids content of a black liquor (1) during the production of pulp for paper production, preferably an evaporation device for black liquor, a control unit and a papermaking machine, having a plurality of vessels (G1, G2, G3, G4, G5) and at least one heat pump (WP, WP'), wherein thermal energy (ΔQ) is provided to act on the raw material (1) in order to increase the solids content. Here, a passage of the raw material (1) takes place from a first vessel (G1) to at least one further vessel (G2, G3, G4) to a last vessel (G5). At least one heat pump (WP, WP') advantageously serves to transport thermal energy (ΔQ) into at least one vessel (G1, G2, G3, G4, G5), and the at least one heat pump (WP, WP') removes the thermal energy (ΔQ) from a reservoir (R) and/or from one of the vessels (G1, G2, G3, G4, G5). Therefore, a higher solids content of the raw material can advantageously be achieved.

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