

Title (en)

A PROCESS FOR THE PREPARATION OF COOKING LIQUORS HAVING HIGH SULPHIDITY FOR SULPHATE PULP COOKING.

Title (de)

VERFAHREN ZUR HERSTELLUNG VON AUFSCHLUSSLÖSUNGEN MIT HOHER SULFIDITÄT FÜR DAS KOCHEN VON SULFATPULPE.

Title (fr)

PROCEDE DE PREPARATION DE LIQUEURS DE CUISSON DE SULFIDITE ELEVEE POUR LA CUISSON DE PATE A PAPIER AU SULFATE.

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Application

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Abstract (en)

[origin: WO9108337A1] The invention relates to a process for preparation, under reducing conditions, of cooking liquors having high sulphidity for sulphate pulp cooking, wherein the black liquor obtained in the cooking process is fed, after evaporation, completely or partly to a reactor operating at increased temperature which is obtained by energy supply from an external heat source and/or release of energy from the black liquor, a melt essentially consisting of sodium sulphide being formed and withdrawn to be further processed to cooking liquor. The process of the invention is characterized in that in addition there are fed to the reactor the whole or part of sulphur-containing and/or sulphur- and sodium-containing materials present in the pulp mill, including sulphur-containing and/or sodium- and sulphur-containing make-up chemicals used for the total chemicals balance of the pulp mill, in such a way that the mole ratio of sodium to sulphur in the total mixture fed to the reactor is within the range of 1.5 to 4. According to a preferred embodiment of the invention there is used an aqueous solution of the sodium sulphide melt obtained in so-called modified sulphate cooking.

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