

Title (en)

METHOD AND PLANT FOR OBTAINING CELLULOSE FIBRES

Title (de)

VERFAHREN UND ANLAGE ZUR GEWINNUNG VON ZELLULOSEFASERN

Title (fr)

PROCÉDÉ ET INSTALLATION DESTINÉS À L'OBTENTION DE FIBRES DE CELLULOSE

Publication

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Application

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Abstract (en)

[origin: WO2021102498A1] The invention relates to a method for obtaining cellulose fibres from fibrous biomass (10), in which: the biomass (10) is first subjected to thermo-pressure hydrolysis, preferably with steam explosion, in a thermo-pressure hydrolysis plant (100), and then separation of the fibrous sludge (20) obtained from the thermo-pressure hydrolysis plant (100) is carried out in at least one separation plant (300, 300A, 300B, 300C, 300D), wherein a press cake (30) of cellulose fibres, preferably with a dry material content of over 20%, preferably of over 25%, and a filtrate (40, 40A, 40B, 40C, 40D, 40E, 40F, 41, 41A) of flowable, solids-rich thin sludge are obtained, and wherein the thin sludge is fed to a biogas plant (2000) as a fermentation substrate to obtain biogas. The invention also relates to a plant (1000) for carrying out this method.

IPC 8 full level

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