

Title (en)

A METHOD FOR TREATING A FIBROUS MATERIAL AND A PLANT FOR CARRYING OUT THE METHOD.

Title (de)

VERFAHREN ZUR BEHANDLUNG VON FASERMATERIAL, SOWIE ANLAGE ZUR AUSFÜHRUNG DESSELBEN.

Title (fr)

PROCEDE DE TRAITEMENT D'UN MATERIAU FIBREUX ET INSTALLATION DE MISE EN OEUVRE DU PROCEDE.

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Application

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Abstract (en)

[origin: WO8204271A1] A fibrous material, in particular a cellulose material, is subjected to heating and subsequent treatment at high pressure, in particular with application of an impregnation agent after the heating and before the high pressure treatment. High pressure treatment may be performed by means of rollers (12'). Heating and high pressure treatment render fibrous material more reactive with reactive impregnating agents. Material may be dry defibrated after impregnation. Impregnation agent is, in particular, metal oxide acylate or isocyanate. Resulting fibers are useful as reinforcing fibers in matrices and as absorbing fibers.

Abstract (fr)

Un materiau fibreux, en particulier un materiau de cellulose, est soumis a un chauffage et a un traitement ulterieur a haute pression, en particulier avec application d'un agent d'impregnation apres le chauffage et avant le traitement a haute pression. Le traitement a haute pression peut s'effectuer a l'aide de cylindres (12'). Le chauffage et le traitement a haute pression rendent le materiau fibreux davantage reactif aux agents d'impregnation. Le materiau peut etre defibre a sec apres impregnation. L'agent d'impregnation est en particulier un acylate ou isocyanate d'oxyde metallique. Les fibres obtenues sont utiles en tant que fibres de renforcement dans des matrices et en tant que fibres d'absorption.

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