

Title (en)
MOLDING PROCESS AND EQUIPMENT

Title (de)
FORMVERFAHREN UND VORRICHTUNG

Title (fr)
PROCÉDÉ ET ÉQUIPEMENT DE MOULAGE

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Application
EP 17870641 A 20171124

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Abstract (en)
[origin: EP3702530A1] The present invention relates to a plant molding process and device which the process includes: forming a pulp enveloping layer of molding products by dewatering paper serous fluid; forming a plant pulp layer of molding products by dewatering plant serous fluid; laminating the pulp enveloping layer and the plant pulp layer and processing non-fibrous material of the plant pulp layer to make it migrate toward the pulp envelope layer thereby combining them together. The plant molding device includes a vessel for containing slurry, a mold unit connected to the vessel by a transmission line and realized product transmission by a guiding device. This process can use different components of plants to help shape and improve strength, and to achieve 99% plant material utilization rate, energy conservation and environmental protection. The device is of intelligent operation, low manual intervention, low cost, high production efficiency and product yield.

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