

Title (en)
DEVICE AND METHOD FOR THE PRELIMINARY DISINTEGRATION OF FIBROUS PLANTS AND FOR SHORTENING THE SAME AS WELL AS FOR SEPARATING FIBRES AND WOOD CHIPS

Title (de)
VORRICHTUNG UND VERFAHREN ZUR VORAUFLOESUNG UND ABKUERZUNG VON FASERGEWACHSEN SOWIE ZUM TRENNEN VON FASERN UND HOLZTEILEN

Title (fr)
DISPOSITIF ET PROCEDE POUR EFFECTUER UNE DESAGREGATION PREALABLE DE PLANTES FIBREUSES ET RACCOURCIR CES DERNIERES, ET POUR SEPARER DES FIBRES ET DES FRAGMENTS DE BOIS

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Application
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Priority
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Abstract (en)
[origin: US6719225B1] A device and method are provided for pre-disintegrating and cutting fibrous plants to staple length for the separation of fibres and woody parts with the goals to accelerate drying, if applied during harvesting, but mainly to facilitate separation of woody parts before the main fiber recovery machine in order to increase useful performance of same. The device includes a cutting rotor, a supply device, cutting blades, and one or more impact or snapping tools. In some fields of application, for example, pulp and paper manufacture or manufacture of insulating material, the degree of pre-disintegration or pre-decortication attained with the device and process, is sufficient so that a further decortication can be dispensed thus improving efficiency.

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