

Title (en)
PROCESS FOR RECOVERING CHIPS AND FIBRES FROM RESIDUES OF TIMBER-DERIVED MATERIALS, OLD PIECES OF FURNITURE, PRODUCTION RESIDUES, WASTE AND OTHER TIMBER-CONTAINING MATERIALS

Title (de)
VERFAHREN ZUR WIEDERGEWINNUNG VON SPÄNEN UND FASERN AUS HOLZWERKSTOFFRESTSTÜCKEN, ALTMÖBELN, PRODUKTIONSRÜCKSTÄNDEN, ABFÄLLEN UND ANDEREN HOLZWERKSTOFFHALTIGEN MATERIALIEN

Title (fr)
PROCEDE DE RECUPERATION DE COPEAUX ET DE FIBRES PAR DESAGREGATION DE RESIDUS DE MATERIAUX DERIVES DU BOIS, DE VIEUX MEUBLES, DE RESIDUS DE PRODUCTION, DE DECHETS ET D'AUTRES MATERIAUX CONTENANT DES MATERIAUX DERIVES DU BOIS

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Abstract (en)
[origin: US5804035A] PCT No. PCT/DE95/00360 Sec. 371 Date Jan. 26, 1996 Sec. 102(e) Date Jan. 26, 1996 PCT Filed Mar. 14, 1995 PCT Pub. No. WO95/24998 PCT Pub. Date Sep. 21, 1995A process is disclosed for recovering chips and fibers from residues of timber-derived materials, old pieces of furniture, production residues, water and other timber-containing materials glued with urea-formaldehyde binders or other binders capable of being hydrolysed or chemically disintegrated by disintegrating the timber-derived materials at a high temperature. In a first step of the process, the residues of timber-derived materials are impregnated with an impregnating solution and previously swollen until they have absorbed at least 50% of their own weight of impregnating solution. In a second step, the thus impregnated residues of timber-derived materials are heated up to 80 DEG C. to 120 DEG C. The thus disintegrated residues of timber-derived materials are then sorted by sieving and/or wind screening. The residues of timber-derived material have edges of at least 10 to 20 cm length. In an improved of the invention, the residues of timber derived materials are impregnated and heated at the same time.

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