

Title (en)

PROCESS FOR MANUFACTURING CHEMO-MECHANICAL AND/OR CHEMO-THERMO-MECHANICAL WOOD PULPS.

Title (de)

HERSTELLUNG CHEMO-MECHANISCHER UND/ODER CHEMO-THERMO-MECHANISCHER HOLZSTOFFE.

Title (fr)

PROCEDE POUR FABRIQUER DES PATES CHIMIO-MECANIQUES ET/OU CHIMIO-THERMO-MECANIQUES.

Publication

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Application

EP 90914536 A 19900925

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Abstract (en)

[origin: US5338405A] PCT No. PCT/EP90/01622 Sec. 371 Date May 18, 1992 Sec. 102(e) Date May 18, 1992 PCT Filed Sep. 25, 1990 PCT Pub. No. WO91/05102 PCT Pub. Date Apr. 18, 1991. In a process for manufacturing chemo-mechanical and/or chemothermal-mechanical wood pulps, raw materials containing lignocellulose, such as wood shavings, wood chips, pre-ground wood or sawdust, are first impregnated with an aqueous alcoholic SO₂ solution and then heated to a temperature between 50 DEG and 170 DEG C. for a period of 1 to 300 minutes. The wood shavings are then ground to the desired degree of fineness in a defibrinating device. The process makes it possible to achieve up to 50% reduction in grinding energy in comparison with known chemothermal-mechanical processes.

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