

Title (en)
RECYCLING TECHNOLOGY

Title (de)
RECYCLINGTECHNOLOGIE

Title (fr)
TECHNOLOGIE DE RECYCLAGE

Publication
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Application
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Priority
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Abstract (en)
[origin: GB2476465A] A method of recycling wood-based fibre board recovers the constituent wood fibres for re-use as a substitute for virgin wood fibre. The fibre board is shredded and mixed with water and preferably electrolyte to form a slurry, which is then heated by passing an electric current through the slurry to weaken the bonding between the wood fibres. A surface agent may be added to accelerate water impregnation. The heating may be at a temperature up to 160 degrees centigrade and at a pressure of up to 20 atmospheres. After heating, the slurry may be de-clumped in a rotating cylinder or ribbon blender and may be rapidly depressurized by spraying through a nozzle, to dry and separate the fibres. Apparatus is described for carrying out the method as a continuous process.

IPC 8 full level
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