

Title (en)

METHOD AND DEVICE FOR CRUSHING AND DRYING MOISTURE-CONTAINING MATERIAL, ESPECIALLY WOOD

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ZERKLEINERN UND TROCKNEN VON FEUCHTIGKEITSHALTIGEM MATERIAL, INSBESONDERE VON HOLZ.

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR BROIER ET SÉCHER UN MATÉRIAU CHARGÉ D'HUMIDITÉ, NOTAMMENT DU BOIS

Publication

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Application

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Abstract (en)

[origin: WO2012107526A2] The invention relates to a method for crushing and drying damp wood (2), wherein the wood (2) is introduced into an impact reactor (4), which has a substantially cylindrical main body (6), in the closed interior space (8) of which there rotates a rotor (10) with at least one impact element (12), which contacts the wood and crushes it into part-constituents (2a) while generating a great transfer of momentum. The method is distinguished by the fact that the interior space (8) of the cylindrical main body (6) is assigned a suction removal device (14), which during the impact crushing removes the mist of moisture produced when the impact element (12) makes contact with the material (2, 2a), and in that the interior space (8) of the cylindrical main body (6) has admitted to it hot gas (19), heated by waste heat from a combustion process, at a temperature of less than 95 °C, in particular less than 80 °C, or the exhaust gas from a combustion process, which after a collision of the impact element (12) with a material constituent (2a) penetrates the material constituent (2a) in place of the moisture leaving. The invention also relates to a device for carrying out the method.

IPC 8 full level

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Citation (search report)

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