

Title (en)
METHOD AND DEVICE FOR UTILIZING BIOMASS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR VERWERTUNG VON BIOMASSE

Title (fr)
PROCÉDÉ ET DISPOSITIF DE VALORISATION DE LA BIOMASSE

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Application
EP 10745200 A 20100812

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Abstract (en)
[origin: CA2771145A1] The invention relates in particular to a method for converting thermal energy from carbonaceous raw materials into mechanical work, having at least one first (4) and one second (6) device for storing and releasing thermal energy connected at least intermittently alternately in a turbine branch (T) having a gas turbine (8) connected downstream thereof, comprising the following steps: a) combusting a gas in a gas burner (2); b) passing the smoke gases (3) arising in the gas burner (2) through a device (4, 6) for storing thermal energy; and c) feeding the hot air (7) released by at least one device (4, 6) into the gas turbine (8), wherein the gasification of the carbonaceous raw materials takes place in a gasifier (1) in a first step and the product gas is fed into the gas burner (2) connected downstream of the gasifier (1).

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