

Title (en)

APPARATUS AND PROCESS FOR THE THERMAL TREATMENT OF BIOMASS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR THERMISCHEN BEHANDLUNG VON BIOMASSE

Title (fr)

APPAREIL ET PROCÉDÉ POUR LE TRAITEMENT THERMIQUE DE BIOMASSE

Publication

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Application

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Abstract (en)

[origin: WO2012074388A1] The invention provides an apparatus for the thermal treatment of biomass, comprising (1) a low-temperature drying section comprising a low-temperature drying section channel with low-temperature drying section channel (screw) transporter, (2) a high-temperature drying section comprising a high-temperature drying section channel with high-temperature drying section channel (screw) transporter, (3) a torrefaction section comprising a torrefaction channel with torrefaction section channel (screw) transporter, (4) a cooling section comprising a cooling section channel with cooling section channel (screw) transporter, (5) a torrefaction section off-gas combustor, (6) a thermal energy transfer system, in thermal contact with the torrefaction section off-gas combustor and one or more of the torrefaction section, the high-temperature drying section and the low-temperature drying section.

IPC 8 full level

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CPC (source: EP)

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