

Title (en)
SYSTEM FOR TRANSFORMING AN ORGANIC MATERIAL INTO SYNGAS

Title (de)
SYSTEM ZUM UMWANDELN EINES ORGANISCHEN MATERIALS ZUM SYNGAS

Title (fr)
SYSTEME DE TRANSFORMATION D'UN MATERIAU ORGANIQUE EN SYNGAS

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Application
EP 17825936 A 20171207

Priority

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Abstract (en)
[origin: WO2018104907A1] A system (1) for transforming an organic material into syngas, comprising: an inlet (2) that can be supplied with said organic material and/or with a combustion agent; an outlet (3) that can be passed through by said syngas produced by said system (1) and can be fluidly connected with a user; an open reactor (5), interposed between said inlet (2) and said outlet (3), that can be supplied at a first height with said organic material, and adapted to provide said syngas at a second height, lower than said first height; and cooling means (30) positioned upstream of said outlet (3) and downstream of said reactor (5) according to a direction of feed of said syngas inside said system (1) and adapted to cool said syngas inside said system (1); said cooling means (30) comprise a tube heat exchanger (80) formed of a plurality of tubes (81) that can be passed through by said syngas and housed inside a bath (82) filled, in use, with a heat transfer liquid.

IPC 8 full level
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