

Title (en)
SYNGAS REACTOR AND PROCESS WITH A HEATED COKE CLOUD

Title (de)
SYNTHESEGASREAKTOR UND VERFAHREN MIT BEHEIZTER KOKSWOLKE

Title (fr)
RÉACTEUR DE GAZ DE SYNTHÈSE ET PROCÉDÉ À NUAGE DE COKE CHAUFFÉ

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EP 10757153 A 20100903

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Abstract (en)
[origin: WO2011026631A2] The invention relates to a device (1) for producing syngas (4) from substantially solid fuels, preferably biomass (2), by steam reforming, using at least one pyrolysis reactor (16) for the formation of pyrolysis gas containing tar and coke particles. In order to produce a syngas that is substantially devoid of tar in a simple, cost-effective manner, the device is provided with at least one coke cloud reactor (11) and said coke cloud reactor (11) has at least one heating device (18) for the catalytic cracking of the tar in the pyrolysis gas.

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