

Title (en)

METHOD AND APPARATUS FOR CARBON REDUCTION IN THE BOTTOM PRODUCT OF A FLUIDISED BED GASIFIER

Title (de)

VERFAHREN UND ANLAGE ZUR KOHLENSTOFF-REDUZIERUNG IM BODENPRODUKT EINES WIRBELSCHICHTVERGASERS

Title (fr)

PROCÉDÉ ET APPAREIL DE RÉDUCTION DE CARBONE DANS LE PRODUIT INFÉRIEUR D'UN GAZÉIFICATEUR À LIT FLUIDISÉ

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Application

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Abstract (en)

[origin: WO2018095781A1] The invention relates to a system for converting carbon-containing fuels into synthesis gas, comprising a gasification reactor (10), which has at least one fluidized-bed zone (11), in which the fuels are gasified by means of suitable gasification agents, wherein a carbon-containing ash flow is produced as a bottom product in a bottom region arranged below the fluidized-bed zone (11) and wherein a device is arranged below the gasification reactor (10), in which device the bottom product is oxidized by the feeding of an oxidant, wherein an additional fluidized-bed combustion chamber (12) is arranged below the fluidized-bed zone (11) of the gasification reactor (10) as a device for oxidizing the bottom product.

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