

Title (en)
CARBONACEOUS SOLID FUEL GASIFIER

Title (de)
GASGENERATOR, DER MIT FESTEM KOHLENSTOFFBRENNSTOFF FUNKTIONIERT

Title (fr)
GAZEIFIEUR DE COMBUSTIBLE SOLIDE CARBONE

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Application
EP 12732595 A 20120622

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Abstract (en)
[origin: WO2012175657A1] The invention relates to a gasifier for solid carbon fuel comprising a vertical vat (4), said vat comprising, in series from top to bottom: an inlet (5) for a solid carbon fuel (2) to be gasified; an area (10) for pyrolyzing said fuel so as to produce pyrolysis gases and char; an area (20) for combusting the pyrolysis gases; an area (30) for reducing the char; a gas outlet (6); and an ash-collecting area (40). The pyrolysis area (10) is separated from the combustion area (20) by an active transfer means comprising a transfer airlock (50) capable of transferring the fuel (2) from the pyrolysis area (10) to the reduction area (30) with said fuel being unable to flow directly from the pyrolysis area (10) to the reduction area (30), thus enabling better control of the flow rate of solid matter between said two areas.

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CPC (source: EP US)
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See references of WO 2012175657A1

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