

Title (en)
METHOD FOR GASIFYING FUEL AND A GASIFYING GENERATOR

Title (de)
VERFAHREN ZUM VERGASEN VON BRENNSTOFF UND VERGASUNGSGENERATOR

Title (fr)
PROCÉDÉ DESTINÉ À GAZÉIFIER DU CARBURANT ET GÉNÉRATEUR DE GAZÉIFICATION

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Application
EP 07823244 A 20071113

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Abstract (en)
[origin: WO2008059109A1] The gasifying generator according to the invention has a body (1), a fuel channel (2) for fuel feed and the gasification processes, and one or more oxidation pipes (10) for feeding the oxidation gas to the fuel channel. The oxidation gas discharge ends (11) of the oxidation pipes are movable within the fuel channel so that the oxidation point can be moved in the gasification process. They can be moved either separately or in groups. The number of oxidation pipes can be chosen according to the size of the gasifying generator and on the basis of the desired adjusting accuracy of the combustion process. The fuel channel of the gasifying generator can have a narrowing (18), which restrains the free flow of the fuel. The combustion area (6) is generally located at this narrowing. The temperature of the combustion area is measured by a thermometer (20). The location of the oxidation pipes is adjusted on the basis of readings obtained from the thermometer in accordance with predetermined instructions. The temperature is given a desired set value. If the measured temperature is higher than the set value of the temperature, the oxidation gas discharge end of the oxidation pipes is moved away from the combustion area, whereby it gets less oxidation gas, combustion slows down and the temperature thus falls. In a corresponding manner, if the measured temperature is lower than the set value, the oxidation gas discharge end of the oxidation pipes is moved towards the combustion process, whereupon the combustion in the combustion area accelerates and the temperature rises.

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Citation (search report)
• [X] EP 1148295 A1 20011024 - SUMITOMO METAL IND [JP]
• [X] GB 884740 A 19611213 - FERDINAND LENTJES STIFTUNG
• [A] WO 0246331 A1 20020613 - EMERY RECYCLING CORP [US], et al
• See references of WO 2008059109A1

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