

Title (en)

DEVICE AND METHOD FOR FLAME COMBUSTION OF FUEL

Title (de)

VORRICHTUNG UND VERFAHREN ZUR FLAMMENVERBRENNUNG VON KRAFTSTOFF

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR BRÛLER DU COMBUSTIBLE EN TORCHES

Publication

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Application

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Abstract (en)

The invention "Device and method for fuel flaring" relates to the field of energetics and can be used in thermal power plants, boiler houses, etc. to optimize and control the combustion process and ensure the ignition of boilers and stabilize the fuel burning, for example, coal dust, in the process of flaring thereof, without the use of additional highly reactive fuel. The claimed invention provides stable ignition, burning and efficient combustion of fuel, including the low reactive one, due to the fact that a constant voltage source is connected to at least one of the rod electrodes, relative to the shell of an ignition chamber, and a torch formation chamber with a secondary air port connected thereto is mounted at the outlet of the ignition chamber.

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