

Title (en)
METHOD OF CONTROLLING A COMBUSTION FACILITY USING A COMBINATION OF COEFFICIENT OF RESISTANCE AND FLAME FRONT ESTIMATION

Title (de)
VERFAHREN ZUR STEUERUNG EINER VERBRENNUNGSANLAGE UNTER NUTZUNG EINER KOMBINATION AUS WIDERSTANDSKOEFFIZIENT UND FLAMMENFRONTSCHÄTZUNG

Title (fr)
PROCÉDÉ DE RÉGULATION D'UNE INSTALLATION DE COMBUSTION À L AIDE D'UNE COMBINAISON DE COEFFICIENT DE RÉSISTANCE ET D'ESTIMATION DU FRONT DE FLAMME

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Application
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Abstract (en)
[origin: WO2009150480A1] The present invention relates to a method of controlling at least one parameter (1,2) of a combustion facility, said combustion facility comprising an in-feed system feeding fuel to a number of moving grates on which the fuel is fed forward and subjected to successive drying, ignition, combustion and outburning, primary air for the combustion being supplied from beneath the grates and through the layer of fuel on the grates, said method comprising - calculating a coefficient of resistance (?pv) for the air flow through the grates and fuel, - controlling the at least one parameter (1,2) of the combustion facility based on the coefficient of resistance (?pv), and - providing an estimation of the position (Fpv) of the flame front by image analysis of a camera image of the combustion zone and - using said estimated position (Fpv) of the flame front to provide a correction of the control of the at least one parameter (1,2) based on the coefficient of resistance (?pv).

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