

Title (en)

METHOD AND DEVICE FOR OPERATING AN INCINERATOR PLANT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETREIBEN EINER VERBRENNUNGSANLAGE

Title (fr)

PROCEDE ET DISPOSITIF POUR FAIRE FONCTIONNER UNE INSTALLATION DE COMBUSTION

Publication

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Application

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Abstract (en)

[origin: US6361310B1] A method of operating a combustion plant having a number of burners includes controlling a composition of a fuel mixture of each burner with at least one setpoint that is determined with reference to dynamic characteristic quantities characterizing a combustion process, and determining the at least one setpoint in dependence on a contribution of each individual burner to a total proportion of a reaction product produced in the combustion process. The contribution of each burner to the total proportion of the reaction product is determined for each burner with reference to the dynamic characteristic quantities and static characteristic quantities characterizing a combustion plant. The method homogenizes the combustion process. The invention also includes an apparatus applying the method, including burners respectively controlled with the setpoint for a composition of a fuel mixture. A setpoint module determines the setpoint for each individual burner of the burners. At least one combustion analysis module is provided for processing the dynamic characteristic quantities and static combustion quantities characterizing a combustion plant. The combustion analysis module is preferably connected upstream of the setpoint module in a signal flow direction in order to determine the contribution of each individual burner.

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