Title (en)

METHOD FOR CONTROLLING A COMBUSTION PROCESS, IN PARTICULAR IN A COMBUSTION CHAMBER OF A FOSSIL-FUELED STEAM GENERATOR, AND COMBUSTION SYSTEM

Title (de)

VERFAHREN ZUR REGELUNG EINES VERBRENNUNGSPROZESSES, INSBESONDERE IN EINEM FEUERRAUM EINES FOSSILBEFEUERTEN DAMPFERZEUGERS, UND VERBRENNUNGSSYSTEM

Title (fr)

PROCÉDÉ DE RÉGULATION D'UN PROCESSUS DE COMBUSTION, EN PARTICULIER DANS LE FOYER D'UN GÉNÉRATEUR DE VAPEUR À COMBUSTIBLE FOSSILE, ET SYSTÈME DE COMBUSTION

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Abstract (en)

[origin: CA2766458A1] The invention relates to a method for controlling a combustion process, in particular in a firing chamber of a fossil-fired steam generator, in which spatially resolved measuring values are determined in the firing chamber. Spatially resolved measuring values are transformed into state variables that can be used for control engineering, and they are subsequently fed as actual values to control circuits. The changes in the controlled variables determined in the control circuits are divided among a plurality of actuators in a backward transformation considering an optimization target. The invention further relates to a corresponding combustion system.

IPC 8 full level

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