

Title (en)

METHOD FOR CONTROLLING A COMBUSTION DEVICE

Title (de)

VERFAHREN ZUR STEUERUNG EINER VERBRENNUNGSEINRICHTUNG

Title (fr)

PROCÉDÉ DE COMMANDE D'UN DISPOSITIF DE COMBUSTION

Publication

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Application

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Abstract (en)

[origin: WO2021164897A1] The invention relates to a method for controlling a combustion process in a gas turbine. A combustion chamber, a control device storing a calculation model of the combustion process, and an exhaust air measurement device are necessary. A permissible limit value for nitrogen oxides and for carbon monoxide as pollutants is first of all set. The actual value of at least one of the two pollutants is measured continuously in the exhaust air. When a signal to reduce the power of the gas turbine to a lowest possible value is given, then a minimum fuel supply at which the limit values are complied with is calculated. The fuel supply is then reduced either until the calculated minimum fuel supply is reached or until the continuously measured proportion of the pollutant reaches the permissible limit value.

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