Title (en)

METHOD FOR REDUCING NOX EMISSIONS FROM A BURNER ASSEMBLY, COMPRISING SEVERAL BURNERS, AND BURNER ASSEMBLY FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR REDUKTION DER NOX-EMISSIONEN EINER MEHRERE BRENNER UMFASSENDEN BRENNERANORDNUNG SOWIE BRENNERANORDNUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE REDUCTION DES EMISSIONS DE NOX D'UN SYSTEME DE BRULEURS COMPRENANT PLUSIEURS BRULEURS ET SYSTEME DE BRULEURS PERMETTANT DE METTRE EN OEUVRE CE PROCEDE

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Application

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Abstract (en)

[origin: WO2005010437A1] The invention relates to a method for reducing NOx emissions from a burner assembly (10), comprising several burners (B1,..,Bn), in particular, in a gas turbine. Said burners (B1,..,Bn) are operated in parallel and burn the respectively supplied fuel by means of combustion air to form a flame (F1,..,Fn). An aim of the invention is to obtain an effective reduction in a simple manner. Said aim is achieved, whereby the flame temperatures of individual burners (B1,..,Bn) or burner groups, or differences between the flame temperatures of individual burners (B1,..,Bn) or burner groups are directly or indirectly measured at a given time, and the fuel supply to the burners or burner groups, the flame temperature of which exceeds a preset value of the flame temperature, is selectively throttled in order to unify the flame temperatures of said burners (B1,..,Bn).

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IPC 8 full level

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