

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

Publication

EP 1649218 A1 20060426 (DE)

Application

EP 04766213 A 20040714

Priority

- EP 2004051483 W 20040714
- DE 10333671 A 20030724

Abstract (en)

[origin: WO2005010437A1] The invention relates to a method for reducing NO_x emissions from a burner assembly (10), comprising several burners (B₁,...,B_n), in particular, in a gas turbine. Said burners (B₁,...,B_n) are operated in parallel and burn the respectively supplied fuel by means of combustion air to form a flame (F₁,...,F_n). 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,...,B_n) or burner groups, or differences between the flame temperatures of individual burners (B₁,...,B_n) 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,...,B_n).

IPC 1-7

F23N 1/00; **F02C 7/228**

IPC 8 full level

F23N 1/00 (2006.01); **F23N 5/08** (2006.01)

CPC (source: EP US)

F23N 1/002 (2013.01 - EP US); **F23N 5/082** (2013.01 - EP US); **F23N 2235/12** (2020.01 - EP US); **F23N 2237/02** (2020.01 - EP US); **F23N 2241/20** (2020.01 - EP US)

Citation (search report)

See references of WO 2005010437A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 2005010437 A1 20050203; AU 2004259859 A1 20050203; AU 2010246518 A1 20101223; AU 2010246518 B2 20120809; AU 2010246518 B9 20130110; DE 10333671 A1 20050804; EP 1649218 A1 20060426; EP 1649218 B1 20151202; MY 149466 A 20130830; US 2006144049 A1 20060706; US 8516825 B2 20130827

DOCDB simple family (application)

EP 2004051483 W 20040714; AU 2004259859 A 20040714; AU 2010246518 A 20101129; DE 10333671 A 20030724; EP 04766213 A 20040714; MY PI20042956 A 20040722; US 33749906 A 20060124