

Title (en)

METHOD FOR CHARACTERIZING THE EXHAUST GAS BURN-OFF QUALITY IN COMBUSTION SYSTEMS

Title (de)

VERFAHREN ZUR CHARAKTERISIERUNG DER ABGASAUSTRANDQUALITÄT IN VERBRENNUNGSANLAGEN

Title (fr)

PROCÉDÉ DE CARACTÉRISATION DE LA QUALITÉ DE COMBUSTION DES GAZ D'ÉCHAPPEMENT DANS DES INSTALLATIONS DE COMBUSTION

Publication

EP 2064490 B1 20160817 (DE)

Application

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Priority

- EP 2007007370 W 20070822
- DE 102006044114 A 20060920

Abstract (en)

[origin: WO2008034508A1] Method for characterizing the exhaust gas burn-off quality of a combustion process in combustion systems having a gas burn-off zone. The object is to propose such a method as a basis for optimizing the exhaust gas burn-off which ensures complete burn-off even in the case of non-steady-state combustion processes with a minimum of secondary gas, and in particular which basically also detects regions in which no combustion activities at all take place due to lack of combustion gases. The object is achieved in that the method optically senses combustion regions in a flow cross section of the gas burn-off zone, regions without combustion and regions of soot in the visible wavelength range, wherein the regions without combustion and the regions of soot are distinguished by different dynamics, and by averaging a plurality of successive individual recordings said regions can be differentiated in their junction areas with the combustion regions.

IPC 8 full level

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- US 4737844 A 19880412 - KOHOLA PEKKA [FI], et al
- JP 3223994 B2 20011029

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