

Title (en)

METHOD AND DEVICE FOR DETERMINING THE SOOT CHARGE IN A COMBUSTION CHAMBER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERMITTLUNG DER RUSSBELADUNG EINES VERBRENNUNGSRAUMS

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER LA CHARGE EN SUIE D'UNE CHAMBRE DE COMBUSTION

Publication

EP 1114280 B1 20031217 (DE)

Application

EP 99955673 A 19990908

Priority

- DE 9902839 W 19990908
- DE 19841877 A 19980911

Abstract (en)

[origin: WO0016010A1] To determine the soot charge in a combustion chamber (23) while said chamber is operational at least one parameter which is characteristic of combustion and permits conclusions as to the soot charge is measured by monitoring a flame (10) in the combustion chamber (23). The soot charge is then determined on the basis of the at least one measurement value.

IPC 1-7

F23N 5/00; **F23N 5/08**; **F23M 11/04**

IPC 8 full level

F23J 1/00 (2006.01); **F23G 5/44** (2006.01); **F23G 5/50** (2006.01); **F23M 11/04** (2006.01); **F23N 5/00** (2006.01); **F23N 5/08** (2006.01); **F23N 5/26** (2006.01)

CPC (source: EP US)

F23M 11/045 (2013.01 - EP US); **F23N 5/003** (2013.01 - EP US); **F23N 5/082** (2013.01 - EP US); **F23N 2225/16** (2020.01 - EP US); **F23N 2229/20** (2020.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0016010 A1 20000323; AT E256843 T1 20040115; DE 19841877 A1 20000420; DE 59908129 D1 20040129; DK 1114280 T3 20040413; EP 1114280 A1 20010711; EP 1114280 B1 20031217; ES 2213396 T3 20040816; JP 2002525544 A 20020813; JP 4365036 B2 20091118; US 2001019814 A1 20010906; US 6551094 B2 20030422

DOCDB simple family (application)

DE 9902839 W 19990908; AT 99955673 T 19990908; DE 19841877 A 19980911; DE 59908129 T 19990908; DK 99955673 T 19990908; EP 99955673 A 19990908; ES 99955673 T 19990908; JP 2000570504 A 19990908; US 80376401 A 20010312