

Title (en)

METHOD AND ARRANGEMENT FOR MONITORING A BURNER.

Title (de)

VERFAHREN UND ANORDNUNG ZUR ÜBERWACHUNG EINES BRENNERS

Title (fr)

PROCEDE ET SYSTEME DE SURVEILLANCE D'UN BRULEUR

Publication

EP 1915573 A1 20080430 (EN)

Application

EP 06769657 A 20060804

Priority

- SE 2006050278 W 20060804
- SE 0501840 A 20050819

Abstract (en)

[origin: WO2007021239A1] A method during the combustion of a fuel with an oxidant in an industrial furnace, in which the fuel and the oxidant are supplied to a burner head and where the flame is monitored by means of a detector for ultraviolet light. The invention is characterised in that at least one channel (3) for the supply of fuel and at least two channels (4, 5) for the supply of oxidant are present and open out into the surface (6) of the burner head (1) that faces into the furnace, in that the channel (3) for fuel and a first channel (5) for oxidant are located at a distance from each other, in that the channel (3) for fuel and the second channel (4) for oxidant are located more closely to each other, in that the said detector (2) is arranged at the channel (3) for fuel or at the second channel (4) for oxidant, and in that a fraction of the total amount of oxidant supplied is caused to be supplied to the said second channel (4) for oxidant, and in that oxidant is supplied to the said second channel during the complete combustion process. The invention relates also to a burner.

IPC 8 full level

F23D 14/22 (2006.01); **F23C 9/00** (2006.01); **F23L 7/00** (2006.01)

CPC (source: EP SE US)

F23C 9/006 (2013.01 - EP SE US); **F23D 14/22** (2013.01 - EP SE US); **F23D 14/32** (2013.01 - EP US); **F23L 7/007** (2013.01 - SE); **F23N 2229/04** (2020.01 - EP US); **Y02E 20/34** (2013.01 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007021239 A1 20070222; BR PI0616554 A2 20110621; EP 1915573 A1 20080430; SE 0501840 L 20070220; US 2007042302 A1 20070222

DOCDB simple family (application)

SE 2006050278 W 20060804; BR PI0616554 A 20060804; EP 06769657 A 20060804; SE 0501840 A 20050819; US 37267806 A 20060310