

Title (en)

A process for controlling the combustion in a boiler having a vibrating grate

Title (de)

Verfahren zur Regelung der Verbrennung in einem Heizkessel mit schwingendem Rost

Title (fr)

Procédé pour contrôler la combustion dans une chaudière à grille vibrante

Publication

EP 0754907 B1 20001018 (EN)

Application

EP 96610028 A 19960716

Priority

DK 84295 A 19950718

Abstract (en)

[origin: EP0754907A2] By the process the supplied amounts of primary air and/or fuel are reduced in a definite way under and shortly after the vibration of the vibrating grate, whereby a sudden increase of the combustion rate caused by the vibration is avoided. As a result the sudden drops of the oxygen content of the exhaust gas occurring in common boilers are avoided, said drops being caused by the fact that the common fuel control reacts too slowly on sudden changes in the combustion conditions.

IPC 1-7

F23B 1/16; **F23L 1/02**; **F23L 9/02**

IPC 8 full level

F23G 5/50 (2006.01); **F23G 7/10** (2006.01); **F23L 1/02** (2006.01); **F23L 9/02** (2006.01)

CPC (source: EP)

F23B 1/16 (2013.01); **F23G 5/50** (2013.01); **F23G 7/105** (2013.01); **F23L 1/02** (2013.01); **F23L 9/02** (2013.01); **F23G 2203/107** (2013.01); **F23G 2207/103** (2013.01); **F23G 2207/20** (2013.01); **F23G 2207/30** (2013.01); **F23G 2900/55009** (2013.01)

Cited by

EP1607680A1; EP1106921A1; AU745357B2; EP0952398A3; CN111727347A; EP1197706A3; ITUB20160520A1; CN108916905A; US6336449B1; WO0142710A1; WO2019233220A1; WO0003179A1; WO2014006459A1; WO9848219A1; US11867391B2; EP1331440A1; US6412446B1; JP2006003074A; WO2019046972A1

Designated contracting state (EPC)

DE ES FI GB IT PT SE

DOCDB simple family (publication)

EP 0754907 A2 19970122; **EP 0754907 A3 19980520**; **EP 0754907 B1 20001018**; DE 69610670 D1 20001123; DE 69610670 T2 20010523; DK 172248 B1 19980202; DK 84295 A 19970119; ES 2153553 T3 20010301

DOCDB simple family (application)

EP 96610028 A 19960716; DE 69610670 T 19960716; DK 84295 A 19950718; ES 96610028 T 19960716