

Title (en)

Method and apparatus for controlling combustion in a furnace

Title (de)

Verfahren und Vorrichtung zur Steuerung der Verbrennung in einem Ofen

Title (fr)

Procédé et appareil pour contrôler la combustion dans un four

Publication

**EP 1914475 A3 20131120 (EN)**

Application

**EP 07397034 A 20071012**

Priority

FI 20065655 A 20061013

Abstract (en)

[origin: EP1914475A2] Method for controlling of combustion in real time for example in a fluidized bed furnace. The invention is suitable especially for controlling combustion of fuels that have variable composition and are difficult to combust. Such are for example waste fuels and biomasses. In the method flue gas is taken from the furnace, the flue gas is led to a washer to interact with the washing media of the washer and at least one property of the washing media of the washer is measured for evaluating properties of the gas phase indirectly.

IPC 8 full level

**F23C 10/28** (2006.01); **F23N 5/00** (2006.01)

CPC (source: EP)

**F23C 10/28** (2013.01); **F23G 5/30** (2013.01); **F23G 5/50** (2013.01); **F23G 7/05** (2013.01); **F23G 7/10** (2013.01); **F23J 15/04** (2013.01); **F23N 5/003** (2013.01); **F23G 2207/60** (2013.01); **F23J 2219/40** (2013.01); **F23N 2241/18** (2020.01)

Citation (search report)

- [X] US 3693557 A 19720926 - MAKUCH JOHN A
- [X] US 2003065236 A1 20030403 - VOSTEEN BERNHARD [DE], et al
- [X] US 6063348 A 20000516 - HINKE JOSEPH [CA], et al
- [A] DE 4308055 A1 19940915 - RWE ENTSORGUNG AG [DE]
- [A] DE 4232771 A1 19940331 - RUHRKOHLE OEL & GAS [DE]
- [A] EP 0122248 A1 19841017 - BOLIDEN AB [SE]

Cited by

EP2216598A3; EP2264426A3; EP2639567A2

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 MT NL PL PT RO SE SI SK TR

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