

Title (en)

Heating device with exhaust gas monitoring device

Title (de)

Heizgerät mit Abgasüberwachungseinrichtung

Title (fr)

Appareil de chauffage doté d'un dispositif de surveillance des gaz d'échappement

Publication

EP 2175210 A3 20160127 (DE)

Application

EP 09171246 A 20090924

Priority

DE 102008051060 A 20081009

Abstract (en)

[origin: EP2175210A2] Heating device comprises an exhaust gas monitoring unit (8) having a thermoelectric generator (9) with a heat-conducting connection (10) to the inside of the heating device. The generator is arranged at a site which is circulated and cooled by air from the surroundings of the device when the burner (1) is fired under normal a regulating operation of the device and is circulated and heated by the exhaust gas from the heating device in an unacceptable operation state. An independent claim is also included for a method for operating the heating device. Preferred Features: The generator has two regions A and B and the heat-conducting connection is arranged between the region A of the generator and the inside of the heating device.

IPC 8 full level

F24H 9/20 (2006.01); **F23N 5/00** (2006.01); **F23N 5/10** (2006.01); **F24D 18/00** (2022.01)

CPC (source: EP US)

F23N 5/003 (2013.01 - EP); **F23N 5/102** (2013.01 - EP); **F24H 9/205** (2013.01 - EP US); **F23M 2900/13003** (2013.01 - EP); **F24D 18/00** (2022.01 - EP US); **F24D 2101/60** (2022.01 - EP US); **F24D 2103/13** (2022.01 - EP US)

Citation (search report)

- [XAI] DE 3514609 A1 19851107 - VAILLANT JOH GMBH & CO [DE]
- [A] US 5427086 A 19950627 - BROWNELL DAVID L [US]
- [A] US 2006016446 A1 20060126 - HU CAROLINE K [US], et al
- [A] DE 19529564 A1 19970213 - AUDI AG [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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