

Title (en)

Monitoring device for a heating device and method for its operation

Title (de)

Überwachungseinrichtung für ein Heizgerät und Verfahren zu ihrem Betreiben

Title (fr)

Dispositif de surveillance pour un appareil de chauffage et son procédé de fonctionnement

Publication

**EP 2388522 A3 20171101 (DE)**

Application

**EP 11165642 A 20110511**

Priority

DE 102010021348 A 20100522

Abstract (en)

[origin: EP2388522A2] The monitoring device has a detector (5) for detecting the humidity, which is provided in an electrical wiring (3) of an ionization electrode (2). The detector is arranged in parallel or in series with the ionization electrode. The detector detects electrical conductivity or electrical capacity or a change in electrical conductivity or electrical capacity. Independent claims are also included for the following: (1) a heater with a heater component; and (2) a method for operating a heater monitoring device.

IPC 8 full level

**F23N 5/12** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)

**F23N 5/123** (2013.01); **F23N 5/245** (2013.01)

Citation (search report)

- [X] WO 2009110015 A1 20090911 - BERTELLI & PARTNERS SRL [IT], et al
- [A] DE 102004004065 A1 20040812 - VAILLANT GMBH [DE]
- [A] US 5432095 A 19950711 - FORSBERG KENNETH E [US]
- [A] US 5472337 A 19951205 - GUERRA ROMEO E [US]
- [A] EP 1519114 A1 20050330 - BETRONIC DESIGN B V [NL]

Cited by

EP2682679A3; US9915425B2

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2388522 A2 20111123; EP 2388522 A3 20171101**; DE 102010021348 A1 20111124; DE 102010021348 B4 20120802

DOCDB simple family (application)

**EP 11165642 A 20110511**; DE 102010021348 A 20100522