

Title (en)

Combustion system, automatic gas ignition device and device and method for interrupting a fuel supply for same

Title (de)

Verbrennungssystem, Gasfeuerungsautomat, sowie Vorrichtung und Verfahren zur Unterbrechung einer Brennstoffzufuhr hierfür

Title (fr)

Système de combustion, automate de chauffage au gaz ainsi que dispositif et procédé d'arrêt d'une amenée de combustible correspondant

Publication

EP 2295863 B1 20190501 (DE)

Application

EP 10172195 A 20100806

Priority

DE 102009036423 A 20090806

Abstract (en)

[origin: EP2295863A2] The method involves monitoring one of the independent switching-off paths (2,3) independently in order to ensure secured interruption of the fuel supply during breakdown in one of the switching-off paths. The two switching-off paths are monitored by an independent monitoring device. Independent claims are also included for the following: (1) a device for interrupting fuel supply to a combustion system by automatic gas stroker-controlled valves on existence of security concerns or a breakdown; and (2) an automatic gas stroker with switching units for safe operation of a combustion system.

IPC 8 full level

F23N 5/24 (2006.01)

CPC (source: EP)

F23N 5/242 (2013.01); **F23N 5/24** (2013.01); **F23N 2231/04** (2020.01); **F23N 2231/10** (2020.01)

Citation (opposition)

Opponent : Viessmann

- EP 0803680 A2 19971029 - BOSCH GMBH ROBERT [DE]
- EP 1199519 A2 20020424 - RB CONTROLS CO LTD [JP]
- EP 0508081 A2 19921014 - BOSCH GMBH ROBERT [DE]
- EP 0308831 A2 19890329 - HONEYWELL INC [US]
- US 2005244765 A1 20051103 - OKADA HIKARU [JP], et al
- EP 1477739 A2 20041117 - BBT THERMOTECHNIK GMBH [DE]
- DE 3108409 C2 19900419
- DE 2433447 A1 19760122 - COPRECI IND SCI
- US 4695246 A 19870922 - BEILFUSS ROBERT C [US], et al
- EP 1394469 A2 20040303 - RB CONTROLS CO LTD [JP], et al
- WO 9516944 A1 19950622 - BOSCH GMBH ROBERT [DE]
- EP 1141633 B1 20031217 - BOSCH GMBH ROBERT [DE]
- DE 3923773 A1 19900301 - VAILLANT JOH GMBH & CO [DE]
- "Entwicklung Feuerungsautomaten Vitodens 100, Projekt "Brussel" Projekt-Nr.:P107091 Hardware - Konzept", VIESMANN, 5 May 2008 (2008-05-05), XP055679884
- "Montage- und Serviceanleitung fuer die Fachkraft Vitodens 100-W", VIESMANN, September 2008 (2008-09-01), pages 1 - 64, XP055679892
- "Vitodens 100", VIESMANN, June 2008 (2008-06-01), pages 7.1-1 - 7.1-20, XP055679897

Cited by

EP3848633A1; DE102020128045A1; EP3869102A1; DE102020104766A1; US11789799B2

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102009036423 A1 20110217; **DE 102009036423 B4 20130328**; **DE 102009036423 C5 20230302**; EP 2295863 A2 20110316; EP 2295863 A3 20140611; EP 2295863 B1 20190501

DOCDB simple family (application)

DE 102009036423 A 20090806; EP 10172195 A 20100806