

Title (en)

Gas burner and methods for starting and operating the same

Title (de)

Gasbrennervorrichtung sowie Start- und Betriebsverfahren dafür

Title (fr)

Brûleur à gaz et méthodes pour le démarrage et le fonctionnement de ce brûleur

Publication

EP 1717514 A1 20061102 (DE)

Application

EP 05009492 A 20050429

Priority

EP 05009492 A 20050429

Abstract (en)

The device has a start-sequence control system (10) controlling changing of an operating condition of the device from an output into a target operating condition. The system controls a speed adjusting device to adjust a combustion air speed at an output speed corresponding to the output condition and to continuously change speed of an output speed at a target speed corresponding to the target operating condition over a predetermined period. The system controls a fuel gas valve (4) for changing of fuel gas supply at a target-fuel gas supply corresponding to the target operating condition. An independent claim is also included for a method of changing an operating condition of a gas burner device from an output operating condition into a target operating condition between two power levels with the gas burner device.

IPC 8 full level

F23N 1/02 (2006.01)

CPC (source: EP)

F23N 1/022 (2013.01); **F23N 3/082** (2013.01); **F23N 2225/20** (2020.01); **F23N 2227/02** (2020.01); **F23N 2233/08** (2020.01)

Citation (search report)

- [XAY] EP 0890791 A1 19990113 - ELECTROWATT TECH INNOVAT CORP [CH]
- [YA] EP 0615095 A1 19940914 - LANDIS & GYR BUSINESS SUPPORT [CH]
- [A] EP 0614046 A1 19940907 - LANDIS & GYR BUSINESS SUPPORT [CH]
- [A] EP 0623785 A1 19941109 - LANDIS & GYR BUSINESS SUPPORT [CH]
- [A] US 5634786 A 19970603 - TILLANDER THOMAS [US]
- [A] EP 0890790 A1 19990113 - ELECTROWATT TECH INNOVAT CORP [CH]

Cited by

EP2116771A1; EP4141340A1; DE102011117736A1; EP2685167A1; DE102007060073B3; CN110023681A; RU2723655C1; WO2018099776A1; WO2013130299A3; US11148504B2; DE102016123041B4; WO2021052611A1; EP4141340B1

Designated contracting state (EPC)

DE GB SE

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

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