

Title (en)

RETROFIT KIT ASSEMBLY

Title (de)

NACHRÜSTKITANORDNUNG

Title (fr)

ENSEMBLE KIT DE CONVERSION

Publication

EP 431777 A1 20240207 (EN)

Application

EP 22188115 A 20220801

Priority

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Abstract (en)

The invention relates to a Retrofit kit assembly (1) for converting a gaseous hydrocarbon combustion appliance (2), in particular a gas boiler, and more particularly for a condensing gas boiler, to a combustion appliance for combustion of fuel gas comprising more than 20 mol%, in particular more than 30 mol%, hydrogen wherein the retrofit kit (1) further comprises a burner (6) configured for combustion of more than 20 mol%, in particular more than 30 mol%, of hydrogen and a data carrier (21) comprising information which, when the data carrier is read out cause a computer or a control unit to carry out a method (100) for controlling the operation of the combustion appliance (2), in particular a gas boiler, wherein the burner (6) is configured to be operated between a minimum load and a maximum load, wherein the method comprises the steps:• during a start-up phase: supplying combustible gas, in particular premixed gas, having a first lambda-value to the burner surface, wherein the first lambda-value is at least 1,5, in particular 1,7 in particular at least 1,8, and igniting the supplied gas having the first lambda-value using an ignition source,• during an operation phase after the gas has been ignited: supplying gas having a second lambda-value to the burner surface, wherein the first lambda-value is larger than the second lambda-value.

IPC 8 full level

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Citation (applicant)

EP 3524884 A1 20190814 - RIELLO SPA [IT]

Citation (search report)

- [XI] WO 2021078949 A1 20210429 - BEKAERT COMBUSTION TECH BV [NL]
- [XA] EP 4027059 A1 20220713 - CROSSTOWN POWER GMBH [CH]
- [XA] WO 2022006444 A1 20220106 - RUIZ ROBERTO [US]

Designated contracting state (EPC)

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