

Title (en)
BURNER CONTROL SYSTEMS AND METHODS OF OPERATING A BURNER

Title (de)
BRENNERSTEUERSYSTEME UND VERFAHREN ZUM BETRIEB EINES BRENNERS

Title (fr)
SYSTÈMES DE COMMANDE DE BRÛLEUR ET PROCÉDÉS DE FONCTIONNEMENT D'UN BRÛLEUR

Publication
EP 2633236 A2 20130904 (EN)

Application
EP 11778663 A 20111025

Priority
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• GB 2011052072 W 20111025

Abstract (en)
[origin: GB2484957A] A burner control system for controlling operation of a burner 1 includes a control unit 10 that controls the flow of air in duct 5 and fuel (gas in duct 2) with valves 4,7 and fans 3,6, receives inputs of ambient air pressure and/or temperature from sensors 14, 15 & from an exhaust gas analysis system 9, and uses the inputs to trim the proportion of air to fuel fed to the burner, the control unit 10 having a store 13 in which pairs of valve settings for air and fuel are stored together with readings of gas pressure from a sensor 11 and of air pressure from a sensor 12. The burner can be for heating a large building. The system uses the stored values for initial control until gas analysis data is available, and can use the pressure readings to identify a fault.

IPC 8 full level
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CPC (source: EP GB US)
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F23N 2235/06 (2020.01 - EP US); **F23N 2235/12** (2020.01 - EP US)

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GB 201018178 A 20101028; EP 11778663 A 20111025; GB 2011052072 W 20111025; US 94661510 A 20101115