

Title (en)

Method and device for controlling the temperature of a fluid heated by a burner

Title (de)

Verfahren und Vorrichtung zur Regelung der Temperatur von einem in einem Brenner aufgeheizten Fluidum

Title (fr)

Procédé et dispositif associé de régulation de la température d'un fluide chauffé par un brûleur

Publication

EP 0884532 B1 20011114 (FR)

Application

EP 98400940 A 19980416

Priority

FR 9707230 A 19970611

Abstract (en)

[origin: EP0884532A1] The temperature regulation takes measurements (11,12) of water temperature at the inlet and at the outlet of the area (3) of pipe exposed to the flame (7). The temperature measurements are delivered to a controller (10). The burner has its fuel supply controlled by a valve (5) which can adjust the fuel flow and can cut off the fuel supply to the burner. The valve is controlled by a solenoid (9), which is in turn controlled by the controller that receives the temperature data. The controller can cause the burner to operate with continuous control or in chopped mode, which is invoked at low power levels where flame would be unstable.

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F23N 1/08

IPC 8 full level

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CPC (source: EP)

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DOCDB simple family (publication)

EP 0884532 A1 19981216; EP 0884532 B1 20011114; AT E208881 T1 20011115; CZ 181398 A3 19990217; CZ 293688 B6 20040714; DE 69802468 D1 20011220; DE 69802468 T2 20020502; DK 0884532 T3 20020121; ES 2167849 T3 20020516; FR 2764674 A1 19981218; FR 2764674 B1 19990716; HU 221671 B1 20021228; HU 9801314 D0 19980828; HU P9801314 A2 20001228; HU P9801314 A3 20020628; PT 884532 E 20020429; SK 77898 A3 19990413

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