

Title (en)

Control device for opening the safety valve of the gas flow of a burner

Title (de)

Steuervorrichtung zur Öffnung eines Sicherheitsventils des Gasdurchflusses eines Brenners

Title (fr)

Dispositif de commande de l'ouverture d'un robinet de contrôle du débit de gaz d'un brûleur

Publication

EP 1094276 B1 20040128 (FR)

Application

EP 00402919 A 20001020

Priority

FR 9913216 A 19991022

Abstract (en)

[origin: EP1094276A1] Each gas tap is controlled by a safety electro-valve (4), of a size which can be located in a pipe (5). The valve includes an electromagnet (41) and a sealing washer (42), which closes the gas output passage, through the action of a spring which maintains the washer in closed position to block gas flow from the gas output (21). An electronic controller (6) supplies current to the windings of the electro-valves so that the washer is attracted towards the valve, against spring counteraction to allow opening of the gas output passage (21). The electronic controller (6) includes a part (61) which controls the electrical power dissipated in the winding of each electro-valve as a function of time from the start of opening of the gas passage. An Independent claim is also included for the hotplate burners.

IPC 1-7

F24C 3/12; **F23D 14/72**; **F23N 5/10**; **F23N 1/00**

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CPC (source: EP)

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Cited by

US11442487B2; WO2021169098A1; US11519607B2; US11841145B2

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EP 1094276 A1 20010425; **EP 1094276 B1 20040128**; DE 60007933 D1 20040304; DE 60007933 T2 20041223; ES 2215012 T3 20041001; FR 2800154 A1 20010427; FR 2800154 B1 20020322

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