

Title (en)
Safety device for gas burner

Title (de)
Vorrichtung zum Sichern einer Gasbrennstelle

Title (fr)
Dispositif de sécurité pour brûleur à gaz

Publication
EP 0964326 B1 20020814 (DE)

Application
EP 99109479 A 19990512

Priority
DE 19825846 A 19980610

Abstract (en)
[origin: EP0964326A1] The arrangement has a manually operated valve (7,8) in the gas feed line (6) and an electromagnetic valve (5,6) in the line that closes if the flame (10) is quenched. An ignition plug (3) at the burner point (4,10) ignites the gas and indicates whether unburnt gas is escaping. The electromagnetic valve and ignition plug are connected to an electronic controller (2) that activates the ignition plug if unburnt gas is escaping, and if ignition was not successful within a defined period or number of ignition pulses, closes the electromagnetic valve. An Independent claim is also included for an arrangement for implementing the method.

IPC 1-7
G05D 16/06; F23Q 9/08; F23Q 9/14; F23Q 21/00; F23N 5/02

IPC 8 full level
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CPC (source: EP US)
F23N 5/123 (2013.01 - EP US); **F24C 3/126** (2013.01 - EP US); **F23N 5/20** (2013.01 - EP US); **F23N 2227/32** (2020.01 - EP US); **F23N 2227/36** (2020.01 - EP US); **F23N 2235/14** (2020.01 - EP US); **F23N 2237/02** (2020.01 - EP US); **F23N 2241/08** (2020.01 - EP US); **Y10T 137/1516** (2015.04 - EP US)

Cited by
US7255100B2; EP2454527A4; ES2291083A1; EP1657491A3; EP1657492A3; ES2291084A1; EP2578947A1

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EP 99109479 A 19990512; AU 3238599 A 19990602; DE 19825846 A 19980610; DE 59902317 T 19990512; ES 99109479 T 19990512; US 32799199 A 19990608