

Title (en)

Flame thermocouple and gas safety valve with an electrical connection

Title (de)

Flammenthermoelement und Gassicherheitsventil mit einer elektrischen Verbindung

Title (fr)

Thermocouple et soupape de sécurité à gaz avec connexion électrique

Publication

**EP 1707879 B1 20100519 (EN)**

Application

**EP 05380046 A 20050315**

Priority

EP 05380046 A 20050315

Abstract (en)

[origin: EP1707879A1] The flame detector thermocouple (5, 5a, 5b) and the safety valve (2) are fitted in a gas cooking appliance, and the "line" (6) and "ground" (7) terminals of the thermocouple (5) are plugged into the valve (2) by means of a compact connector (10), wherein the two terminals (6, 7) parallel to each other are inserted in a radial direction in relation to the axis (3a) of the valve. The ground terminal (7) is subdivided into two lateral arms (14) encircling a cylindrical-shaped "line" connecting post 9 in the valve. The front face flat (14a) of the ground terminal is urged up against a contact surface (8a) of a locknut (8) connected to the valve ground, thereby on their front face both arms (14) of the ground terminal (7) have an elastic rib (18) guided in a superficial groove (23) in the connector (10), which the connector is plugged in.

IPC 8 full level

**F23N 5/10** (2006.01); **F23K 5/00** (2006.01); **G01K 7/02** (2006.01)

CPC (source: EP)

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Cited by

ITTO20110737A1; ES2418779R1; RU2615044C2; RU2615044C9; WO2013117382A3; WO2013021342A3; WO2013117382A2; US9178304B2

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