

Title (en)  
PILOT SAFETY SHUT OFF DEVICE FOR GAS

Title (de)  
GASZ NDFLAMMENSICHERHEITSABSPERRVORRICHTUNG

Title (fr)  
DISPOSITIF PILOTE DE COUPURE DE SECURITE POUR GAZ

Publication  
**EP 1669673 A4 20120201 (EN)**

Application  
**EP 04788290 A 20040929**

Priority  
• JP 2004014223 W 20040929  
• JP 2003339063 A 20030930

Abstract (en)  
[origin: EP1669673A1] With the gas burner safety device of the present invention, downsizing in width and in size, structure simplification, cost reduction, etc. can be achieved. The gas burner safety device comprises a thermo-couple unit 200 having a pair of female terminals 204, 205 connected to a thermal sensitive portion 201 and a first connector 206 to retain the pair of female terminals, and an electromagnetic valve unit 100 having a pair of male terminals 105, 107 connected to a coil 103 for magnetizing, a valve body 111 driven by electromagnetic force generated by powering to the coil, and a second connector 107 which is fitted to the first connector to connect the pair of male terminals and the pair of female terminals, and the pair of male terminals includes a pipe-shaped male terminal 107 which is formed cylindrically and also serves as the second connector, and a pin-shaped male terminal 105 which is disposed inside the pipe-shaped male terminal 107, and the pair of female terminals includes an inner female terminal 204 having a pair of spring pieces which can sandwich the pin-shaped male terminal 105, and an outer female terminal 205 having a pair of spring pieces which can sandwich the wall face of the pipe-shaped male terminal 107. With this structure, the device can be brought down in width and in size.

IPC 8 full level  
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Citation (search report)  
• [A] EP 0619460 A1 19941012 - ORKLI S COOP LTDA [ES]  
• [A] ES 1030940 U 19951101 - VALLS VICENT MANUEL [ES]  
• See references of WO 2005031213A1

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