

Title (en)  
Ignition device for fuels.

Title (de)  
Zündungsgerät für Brennstoffe.

Title (fr)  
Appareil pour l'allumage de matières combustibles.

Publication  
**EP 0298913 A1 19890111 (FR)**

Application  
**EP 88810413 A 19880616**

Priority  
CH 263387 A 19870710

Abstract (en)  
[origin: JPS6488028A] PURPOSE: To obtain a device for igniting combustible materials by providing an injector oppositely to an inlet for introducing a gas to a combustion chamber in its operating position, forming an annular gap between the injector and the internal surface of an inlet pipe, and providing a correcting device the valve of which corrects the effect of temperature on a gas flow. CONSTITUTION: When a push-button 10 is actuated, one end of an oscillating lever 27 engaged with the collar section 29 of an injector 18 is pressed and opens a valve composed of a stopper 23 and a seat 24 and, as a result, a gas is blown into a mixing device. The injector 18 partially gets in an inlet pipe 7 and forms a free annular gap 30 so as to liberate first air sucked in a liquefied gas through the opening of a watch jewel 19. Following the first air/gas mixing, additional air is sucked in a horizontal hole 8. The liquefied gas enters through the opening 31 of an evaporating device 17. Pellets 32 are compressed by means of a portion 33 having larger a coefficient of expansion than the metallic pipe forming the evaporating device 17 has. When the temperature of the liquefied gas in a tank 15 rises, the pressure of the pellets 32 can be improved and the vapor pressure of the gas increases due to the temperature and can correct the increase of the gas flow.

Abstract (fr)  
L'appareil comprend une partie supérieure 1 comportant une chambre de combustion 5 précédée d'une mélangeur air/gaz 6. La partie inférieure comprend un réservoir 15 de gaz liquide, ce réservoir étant amovible avec son injecteur 18. Lors du remplacement du réservoir vide par un réservoir plein, on bénéficie d'un injecteur 18 en parfait état de propreté.

IPC 1-7  
**F23Q 2/16**

IPC 8 full level  
**F23Q 2/34** (2006.01); **F23Q 2/16** (2006.01)

CPC (source: EP US)  
**F23Q 2/16** (2013.01 - EP US)

Citation (search report)

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EP0347384A3; EP0433494A1

Designated contracting state (EPC)  
AT DE ES FR GB IT NL

DOCDB simple family (publication)  
**EP 0298913 A1 19890111; EP 0298913 B1 19911016**; AT E68581 T1 19911115; CH 672017 A5 19891013; DE 3865559 D1 19911121; ES 2027414 T3 19920601; JP S6488028 A 19890403; US 4859174 A 19890822

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**EP 88810413 A 19880616**; AT 88810413 T 19880616; CH 263387 A 19870710; DE 3865559 T 19880616; ES 88810413 T 19880616; JP 16915588 A 19880708; US 20849588 A 19880620