

Title (en)

A device for limiting the gas flow in a discharge valve for gas lighters and method of calibrating said device.

Title (de)

Einrichtung zur Limitierung des Gasflusses zum Brennvventil für Gasfeuerzeuge und Verfahren zu Kalibrierung dieser Einrichtung.

Title (fr)

Dispositif pour la limitation du débit de gaz dans une valve de briquet et méthode de calibrage de ce dispositif.

Publication

**EP 0052580 A1 19820526 (EN)**

Application

**EP 81830033 A 19810305**

Priority

IT 2605580 A 19801119

Abstract (en)

A device for limiting the gas flow in a discharge valve for gas lighter without flame adjustment has a filter limiting the flame height of the type compressed when mounting the device. In order to compensate for changes in flame height with changes in temperature the filter (1) is compressed between two elements (3, 4) of different material having different linear thermal expansion coefficients, anchored (8) to each other at an end remote from the filter and free to expand independently of each other, due to temperature changes, at the other end. The initial permanent calibration of the filter is carried out at a constant reference temperature, prior to the mounting of the device in the light, by measuring during the compression operation of the filter the flow of a hold which is caused to flow through the filter, and stopping the compression when the flow of the fluid flowing through the filter has a value corresponding to the value of the predetermined gas flow and such as to limit the flame height at the desired value.

IPC 1-7

**F23Q 2/16**

IPC 8 full level

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CPC (source: EP)

**F23Q 2/163** (2013.01)

Citation (search report)

- US 4042316 A 19770816 - RABE PETER
- FR 2313639 A1 19761231 - GENOUD & CIE ETS [FR]
- FR 2298766 A1 19760820 - ROWENTA WERKE GMBH [DE]
- FR 1213250 A 19600329

Cited by

US5408987A; EP1946067A4; FR2975442A1; DE3622799A1; US8220314B2

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DOCDB simple family (application)

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