

Title (en)

Safety lighter with delayed gas supply.

Title (de)

Sicherheitsfeuerzeug mit verzögerter Gaszufuhr.

Title (fr)

Briquet de sécurité, à ouverture de gaz différée.

Publication

**EP 0504071 B1 19941109 (FR)**

Application

**EP 92420049 A 19920214**

Priority

- CA 2078508 A 19920917
- CA 2078465 A 19920917
- FR 9103365 A 19910314

Abstract (en)

[origin: EP0504071A1] This lighter is of the type comprising, in a body (2), a reservoir (3a, 3b) for gaseous fuel stored in the liquid phase, a pressure reducer/evaporator and a burner/valve (4) which is controlled by a lever (5) articulated on a pin (6) at right angles to that (4a) of the burner/valve (4), the front end (5a) of which, which is normally applied against a shoulder (4c) of the burner/valve (4), tends constantly to keep the valve (4) in a closed position, and the rear operation end (5b) of which is constantly subjected to the action of a spring means (8) which tends to make it pivot in the direction (9) of the closure of the valve (4), in which, in addition to the first spring means (8), there is provided a second elastic means (11, 12, 16, 18) which is interposed between the first (8) and the valve (4) and intended to act on the valve (4), in series and in the same direction as the first (8), with a force which is smaller than that of the first elastic means (8) but greater than that which is generated by the pressure of the gas and tends to open the valve (4), and in which the second elastic means is constituted by the control lever (5) which is shaped so as to have an elastically deformable section (16, 18) between its front end (5a) and its rear operation end (5b). The control lever (5) consists of two consecutive segments (5a, 5b) connected to one another by a bridge made of elastically flexible material (18), which serves as an elastic hinge, with a stop to limit the flexion of this bridge (18) when the control lever (5) is in the position in which it keeps the burner/valve (4) closed. <IMAGE>

IPC 1-7

**F23Q 2/16**

IPC 8 full level

**F23Q 2/16** (2006.01)

CPC (source: EP US)

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