

⑫ **EUROPEAN PATENT APPLICATION**

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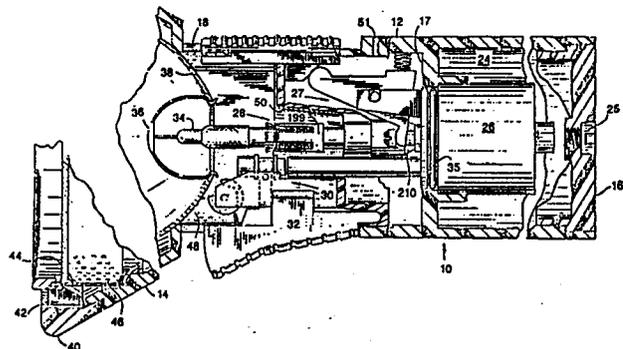
⑧④ Designated Contracting States: **AT BE CH DE FR GB IT LI LU NL SE**

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⑤④ **Gas-powered flashlight.**

⑤⑦ A hand-held lighting device (10) powered by a combustible gas stored in a self-contained fuel chamber (24) and utilizing an incandescent mantle (34) for illumination, the lighting device being provided with a two stage fuel regulator (26) for supplying vaporized fuel over a wide temperature range and in any orientation, an aspirated pilot assembly (30) fixedly mounted within the lighting device adjacent the mantle and ignitable by an ignition assembly (32) actuatable from outside the housing, and a shock absorbing mantle mounting (28). The regulator includes a first stage for receiving a first flow of gas at a fuel chamber pressure and for producing therefrom a second flow of gas at a predetermined pressure difference lower than the first gas flow, and a second stage for receiving the second gas flow and producing therefrom a third gas flow at or below a predetermined pressure. The shock absorbing mantle mounting generally includes a two-piece cantilevered member, the two pieces being slidingly and coaxially mated and biased with respect to one another.



EP 0 101 035 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	<u>GB - A - 19 964 AD 1910</u> (HANWELL) * The whole document * --	1,2,8, 9,10	F 21 L 19/00 F 21 L 15/04
X	<u>DE - C - 174 938</u> (EHMANN) * Figure 1 * --	1,9,10	
A	<u>FR - A - 369 639</u> (JOEL) * Page 1, lines 1-10 * --	3	
A	<u>FR - A - 1 478 415</u> (SIDEMAT) * Figure 1 * -----	4	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 21-03-1985	Examiner FOUCRAY
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
TECHNICAL FIELDS SEARCHED (Int. Cl. 4) F 21 L F 21 V F 21 H F 21 S			



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,
namely claims:
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,
namely:

- 1) Claims 1-11: Mantle assembly
- 2) Claims 12-24: Regulator assembly
- 3) Claims 25-29: Pilot and ignition assembly

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid,
namely claims:
- None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.

namely claims: 1-11