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# EUROPEAN PATENT APPLICATION

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54 **Lighters.**

57 An improved ignition system comprising a flint (7), a flint pressure spring (8), a flint striking gear (9a),(9b) and a trigger mechanism including a trigger spring (3) in which the trigger spring (3) and supporting parts hold and release a repulsive force, and a power transference section (6) transfers the force to the flint striking gear (9a), (9b) and resets the gear spring.

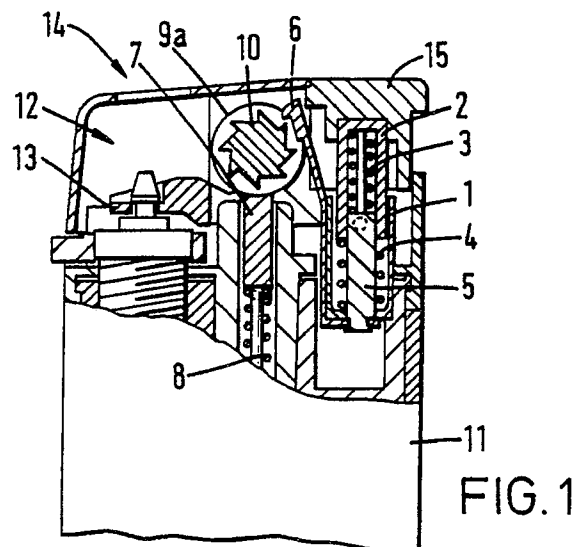


FIG. 1

EP 0 372 989 A3



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## EUROPEAN SEARCH REPORT

Application Number

EP 89 31 2817

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                               |                                             |                                               |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                               |
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| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Citation of document with indication, where appropriate, of relevant passages                                                                                                                                                 | Relevant to claim                           | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                               |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GB-A-6 849 04 (KNIGHT)<br>* page 1, line 90 - page 2, line 30; figure 1 *<br>- - -                                                                                                                                            | 1-3                                         | F 23<br>Q 2/46<br>F 23 Q 2/16                 |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FR-A-2 169 723 (GENOUD)<br>* the whole document *<br>- - -                                                                                                                                                                    | 1-5                                         |                                               |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FR-A-1 282 350 (KORNER)<br>* page 2, left-hand column, paragraph 6 - page 2, right-hand column, paragraph 2; figures *<br>- - -                                                                                               | 1                                           |                                               |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FR-A-2 327 491 (WILKINSON)<br>- - - - -<br>.                                                                                                                                                                                  |                                             |                                               |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                               |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                               |                                             |                                               |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                               |
| Place of search<br>The Hague                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                               | Date of completion of search<br>04 March 91 | Examiner<br>VANHEUSDEN J.                     |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                               |
| <table border="0"><tr><td><b>CATEGORY OF CITED DOCUMENTS</b><br/>X: particularly relevant if taken alone<br/>Y: particularly relevant if combined with another document of the same category<br/>A: technological background<br/>O: non-written disclosure<br/>P: intermediate document<br/>T: theory or principle underlying the invention</td><td>E: earlier patent document, but published on, or after the filing date<br/>D: document cited in the application<br/>L: document cited for other reasons<br/>-----<br/>&amp;: member of the same patent family, corresponding document</td></tr></table> |                                                                                                                                                                                                                               |                                             |                                               | <b>CATEGORY OF CITED DOCUMENTS</b><br>X: particularly relevant if taken alone<br>Y: particularly relevant if combined with another document of the same category<br>A: technological background<br>O: non-written disclosure<br>P: intermediate document<br>T: theory or principle underlying the invention | E: earlier patent document, but published on, or after the filing date<br>D: document cited in the application<br>L: document cited for other reasons<br>-----<br>&: member of the same patent family, corresponding document |
| <b>CATEGORY OF CITED DOCUMENTS</b><br>X: particularly relevant if taken alone<br>Y: particularly relevant if combined with another document of the same category<br>A: technological background<br>O: non-written disclosure<br>P: intermediate document<br>T: theory or principle underlying the invention                                                                                                                                                                                                                                                                                                 | E: earlier patent document, but published on, or after the filing date<br>D: document cited in the application<br>L: document cited for other reasons<br>-----<br>&: member of the same patent family, corresponding document |                                             |                                               |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                               |