

12 **EUROPEAN PATENT APPLICATION**

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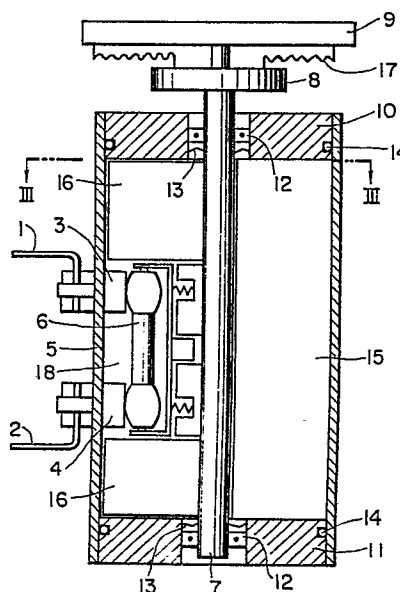
84 Designated Contracting States: **DE FR GB**

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54 **Circuit interrupter.**

57 A circuit interrupter includes a cylindrical container (5) having an arcuate inner wall of electrically insulating material and containing an arc extinguishing fluid. A rotary shaft (7) is provided along an axis of the container (5), at least one stationary contact (3 or 4) is provided at a predetermined position on the inner wall, and a movable contact (6) is mounted on the rotary shaft (7) in such manner as to be brought into and out of engagement with the or each stationary contact. A closing member (15) is disposed at one end of the opening movement path of the movable contact (6) and substantially closes the clearance between the inner wall and the rotary shaft (7) and, when the interrupter is opened, sweeps along the inner wall of the container (5) towards the closing member (15) to compress the arc extinguishing fluid between the two members (15, 16). The compressing member (16) has a blow outlet (18) which causes the compressed fluid to blow into the space where arcs are generated upon opening of the interrupter.





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# EUROPEAN SEARCH REPORT

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Application Number

EP 82 10 0264

| 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. 3)                                |
| P, X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ---<br>EP-A-0 023 298 (SIEMENS AG)<br>* Claims 1-3; figure 1 *                                                                 | 1-4, 6                                         | H 01 H 19/00<br>H 01 H 33/88                                                  |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ---<br>DE-B-2 037 777 (K. PFISTERER)<br>* Claim 1; figures 1, 2 *                                                              | 1-3, 6                                         |                                                                               |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ---<br>DE-A-1 816 017 (INSTITUT<br>PRÜFFELD FÜR ELEKTRISCHE<br>HOCHLEISTUNGSTECHNIK)<br>* Page 4, line 4 - page 5; figure<br>* | 1-3, 6                                         |                                                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ---<br>GB-A- 837 432 (MASON ELECTRIC<br>CORP.)<br>* Figures 7, 8 *                                                             | 6                                              |                                                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ---<br>DE-B-2 329 512 (LICENTIA PATENT<br>VERWALTUNGS-GMBH)<br>* Column 2, lines 22-50; figure 2<br>*<br>-----                 | 7                                              | TECHNICAL FIELDS<br>SEARCHED (Int. Cl. 3)<br><br>H 01 H 19/00<br>H 01 H 33/00 |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                |                                                |                                                                               |
| Place of search<br>BERLIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                | Date of completion of the search<br>13-01-1983 | Examiner<br>RUPPERT W                                                         |
| <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<br>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>& : member of the same patent family, corresponding document |                                                                                                                                |                                                |                                                                               |