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### (54) **Support mechanism for the electric resistance of heaters or boilers**

(57) A support mechanism of the electric resistance in the heater/boiler which consists of the cap (2), FIG. 4., the tubular bolt (7), which is fastened at the center of the cap (2) around the opening (3) in such away that it nestles outside the cord (or rim) (X). The rubber flange (10) is placed on the cord (X), the metal flange (4) with the electric resistance (5) and the magnesium rod (6) on the rubber flange.

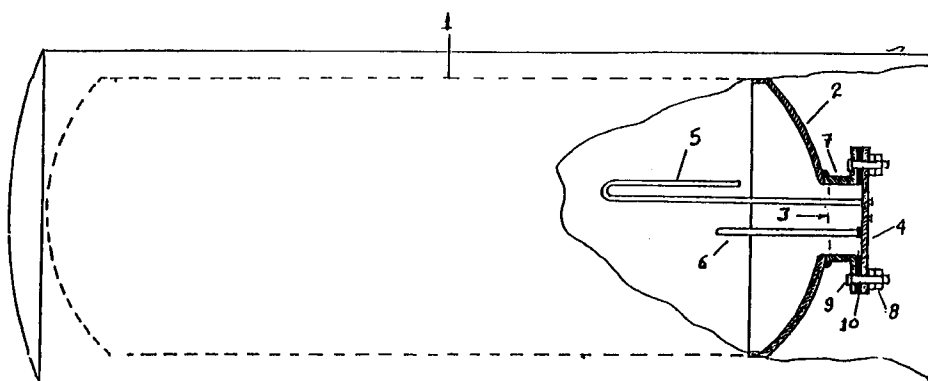
Then the externally threaded tubular nut is manually screwed into the internally threaded bolt until the

lower surface of the of the tubular nut touches the metal surface of the electric resistance (4).

In turn, a metal rod is inserted into the opening and the tubular nut is turned until it tightens completely the metal flange (4) of the electric resistance with the rubber flange (10).

In this way we have secured the electric resistance and at the same time we have hermetically closed the opening (3) of the cap (2) of the heater/boiler (1).

FIGURE 1



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# EUROPEAN SEARCH REPORT

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| 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.6) |
| X  | DE 38 05 559 A (FORBACH GMBH) 31 August 1989<br>* abstract *                  | 1-4                              | F24H9/18                                     |
| A  | GB 865 920 A (RANGE BOILERS LIMITED)<br>* the whole document *                | 1-4                              |  |
|  |   |                                  | TECHNICAL FIELDS SEARCHED (Int.Cl.6)         |
|  |   |                                  | F24H   |
| The present search report has been drawn up for all claims   |   |                                  |  |
| Place of search  |   | Date of completion of the search | Examiner                                     |
| THE HAGUE  |   | 17 December 1996                 | Van Gestel, H                                |
| <p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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</p> <p>&amp; : member of the same patent family, corresponding document</p> |   |                                  |  |

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