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**EUROPEAN PATENT APPLICATION**

⑳ Application number: **85105835.4**

⑤① Int. Cl.<sup>4</sup>: **A 46 B 11/00**

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**Bulletin 85/49**

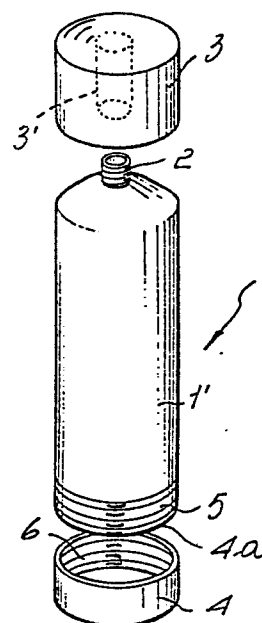
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⑧④ Designated Contracting States: **AT BE CH DE FR GB LI LU NL SE**

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⑤④ **Toothbrush with refillable toothpaste reservoir.**

⑤⑦ The toothpaste reservoir consists of a tube structure (1) comprising a tubular body (1'), having a dispensing outlet (2) at one end thereof. The other end (4a) of said tubular body (1') also being apertured for refilling purposes and being closable by means of a stopper element (4), provided with threads (6) for engaging a thread formation (5) formed on the tubular body (1').





European Patent  
Office

# EUROPEAN SEARCH REPORT

0163189

Application number

EP 85 10 5835

| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FR-E- 73 285 (COMBECAL)<br>* Page 1, left-hand column, paragraphs 1-5, right-hand column, paragraph 3, lines 1-14; figures *                                                                           | 1,4-6                                          | A 46 B 11/00                                   |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ---                                                                                                                                                                                                    | 2,3                                            |                                                |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FR-A-1 159 431 (COMBECAL)<br>* Page 1, left-hand column, paragraph 7 - right-hand column, paragraph 3; page 2, left-hand column, paragraphs 2,4-7; right-hand column, paragraph 2; abstract; figures * | 1,4-6                                          |                                                |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ---                                                                                                                                                                                                    | 2,3                                            | TECHNICAL FIELDS SEARCHED (Int. Cl. 4)         |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-A-3 734 118 (HOWARD)<br>* Column 2, line 21 - column 4, line 25; figures 1-14 *                                                                                                                     | 1-6                                            | A 46 B<br>A 45 D                               |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FR-A- 956 865 (HALVORSEN)<br>* Page 2, line 100 - page 3, line 41; figures 6-9 *                                                                                                                       | 1-6                                            |                                                |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GB-A-1 587 140 (MANFRED)<br>* Page 2, lines 18-87, 92-97; figures 1-4 *                                                                                                                                | 1-6                                            |                                                |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                        |                                                |                                                |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                        |                                                |                                                |
| Place of search<br>THE HAGUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                        | Date of completion of the search<br>07-01-1987 | Examiner<br>BOURSEAU A.M.                      |
| <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<br/>&amp; : member of the same patent family, corresponding document</p> |                                                                                                                                                                                                        |                                                |                                                |