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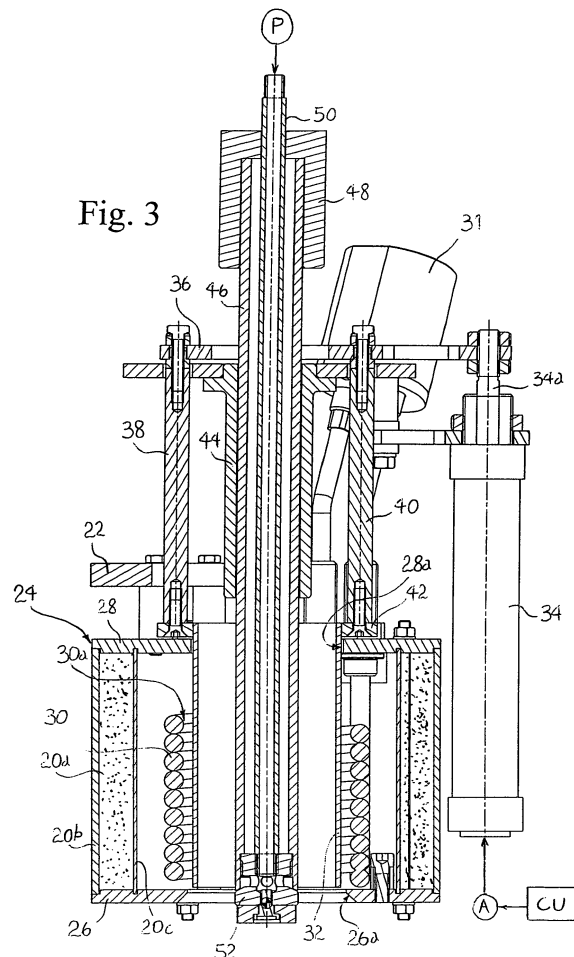
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(54) **Heating head for thermally shrinking sealing capsules on bottle necks**

(57) A heating member (30) integral with the head has a cylindrical heated cavity (30a) in which the bottle neck with capsule is insertable. The head (20) is mountable on a heating machine adapted to movably support the head between a resting position in which the heating member (30) is axially spaced from the capsule, and an operative position in which the heating member (30) surrounds the capsule and interacts with it by heating it. A shield (32) having a tubular profile is insertable between the heating member (30) and the bottle neck and is movably supported in an axial direction with respect to the heating member (30) under control of actuator means (34), between a resting position external to the heated cavity (30a), and an working position in which it is interposed between the capsule and the heating member (30) and shields the capsule from the heating action applied by the heating member (30).





## EUROPEAN SEARCH REPORT

Application Number  
EP 08 00 7081

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                    |                                                  |                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------|
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Citation of document with indication, where appropriate, of relevant passages                                                      | Relevant to claim                                | CLASSIFICATION OF THE APPLICATION (IPC) |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DE 36 15 532 A1 (KRONSEDER MASCHF KRONES [DE]) 12 November 1987 (1987-11-12)<br>* column 5, line 62 - column 6, line 42; figures * | 1                                                | INV.<br>B67B5/03                        |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DE 91 10 760 U1 (REDER, ERNST, 6524 GUNTERSBLUM, DE)<br>21 November 1991 (1991-11-21)<br>* page 5, paragraph 3; figures *          | 1                                                |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                    |                                                  | TECHNICAL FIELDS SEARCHED (IPC)         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                    |                                                  | B67B<br>B65C<br>B29C<br>B65B            |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                    |                                                  |                                         |
| Place of search<br>Munich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                    | Date of completion of the search<br>2 March 2009 | Examiner<br>Müller, Claus               |
| <p>CATEGORY OF CITED DOCUMENTS</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/>.....<br/>&amp; : member of the same patent family, corresponding document</p> |                                                                                                                                    |                                                  |                                         |

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EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 00 7081

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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02-03-2009

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