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(71) Applicant: **Lai, Han Chin c/o Tank Pac Industries,  
LTD.**  
**Taya Hsing, Taiching (TW)**

(72) Inventor: **Lai, Han Chin c/o Tank Pac Industries,  
LTD.**  
**Taya Hsing, Taiching (TW)**

(74) Representative: **Patentanwälte Freischem  
An Gross St. Martin 2  
50667 Köln (DE)**

### (54) Sealing mechanism for diaphragm tank

(57) A liner for use with a diaphragm tank and a through-wall connector. The through-wall connector includes a passage fitting having a neck and adapted to extend into the diaphragm tank, an o-ring mounted on the passage fitting, and an annular holder mounted on the passage fitting and having an annular groove. The liner has a raised portion defining an annular groove to receive the o-ring.

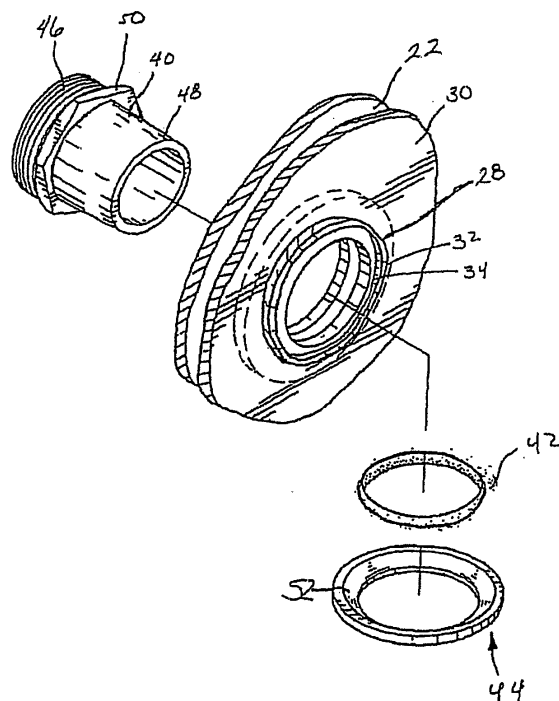


FIG. 4

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# EUROPEAN SEARCH REPORT

Application Number  
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| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                         |                                                   |                                                 |
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| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                         |                                                   |                                                 |
| Place of search<br>The Hague                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                         | Date of completion of the search<br>10 March 2006 | Examiner<br>Van Gheel, J                        |
| CATEGORY OF CITED DOCUMENTS<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 |                                                                                                                                         |                                                   |                                                 |

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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