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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.

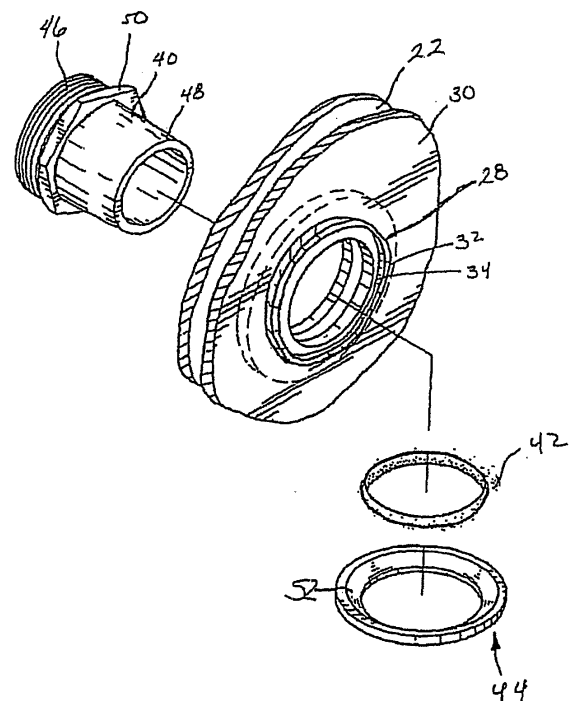


FIG. 4

EP 1 561 999 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 05 00 2435

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	US 3 379 216 A (MERCIER JACQUES H) 23 April 1968 (1968-04-23) * column 3, line 16 - line 29; figure 4 *	1,3,5,6	
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A	DE 92 13 285 U1 (VAREM S.P.A., BOVOLENTA, IT) 21 January 1993 (1993-01-21) * page 3, paragraph 4 - page 4, paragraph 3; figures *	1,3,5,6	TECHNICAL FIELDS SEARCHED (IPC) F15B F24D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 10 March 2006	Examiner Van Gheel, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)

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

EP 05 00 2435

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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