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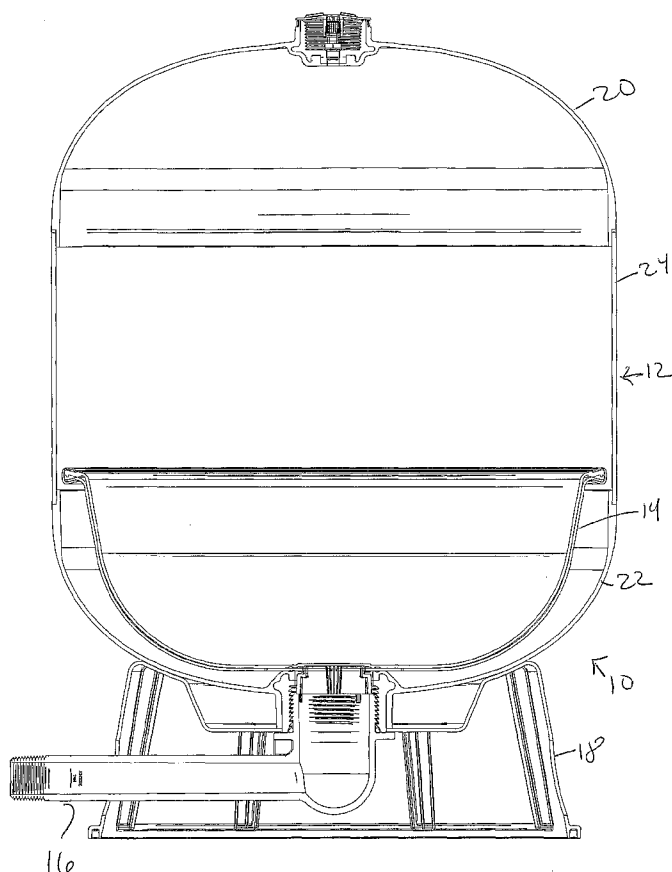
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[Continued on next page]

(54) Title: EXPANSION TANK WITH DOUBLE DIAPHRAGM



(57) Abstract: A double-diaphragm bladder. The bladder comprises a non-flexible diaphragm having a peripheral edge and a flexible diaphragm having a peripheral edge. The non-flexible diaphragm has an aperture adapted and constructed to be connected to a liquid port, and the peripheral edges of the non-flexible diaphragm and the flexible diaphragm are sealed together. The bladder is suitable for use in an expansion tank.

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USPC: 220/721

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 220/721, 720, 723: 285/203, 204, 205; 138/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/0173624 A1 (CARTER) 09 September 2004 (09.09.2004), Figures 1, 3-5, 6, 8, paragraphs 0009, 0026, 0029-0036, 0040, 0062-0064.	1, 2, 4, 8-11
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Y		3, 5-7, 12-22
Y	US 4,784,181 A (HILVERDINK) 15 November 1988 (15.11.1988), Figure 1, column 3, lines 6-7.	1-3
Y	US 4,595,037 A (LEBRETON et al) 17 June 1986 (17.06.1986), Figure 2, column 3, lines 23-30.	5-7, 13-16
Y	US 6,264,247 B1 (LOMBARI et al) 24 July 2001 (24.07.2001), Figures 4A, 4B, 7A, 7B, 8, column 5 lines 39-48.	17-22
Y	US 3,247,999 A (STILWELL) 26 April 1962 (26.04.1962) Figure 4, column 3, lines 4-9.	17-22
Y	US 5,551,590 A (MAZUR et al) 03 September 1996 (03.09.1996), Figures 2 and 6b, column 6, lines 50-55.	14

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