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### (54) Multi-layer coolant reservoir

(57) In various aspects of the invention a multi-layer pressurizable coolant reservoir includes an inner shell member shaped and configured to define at least one liquid storage chamber. An outer shell member is layered onto the inner shell member. The outer shell member is

particularly adapted to provide structural stability and resist pressure deformation of the inner shell. The outer shell is isolated from the coolant by the inner layer. The material of the inner shell is selected for compatibility with the coolant.

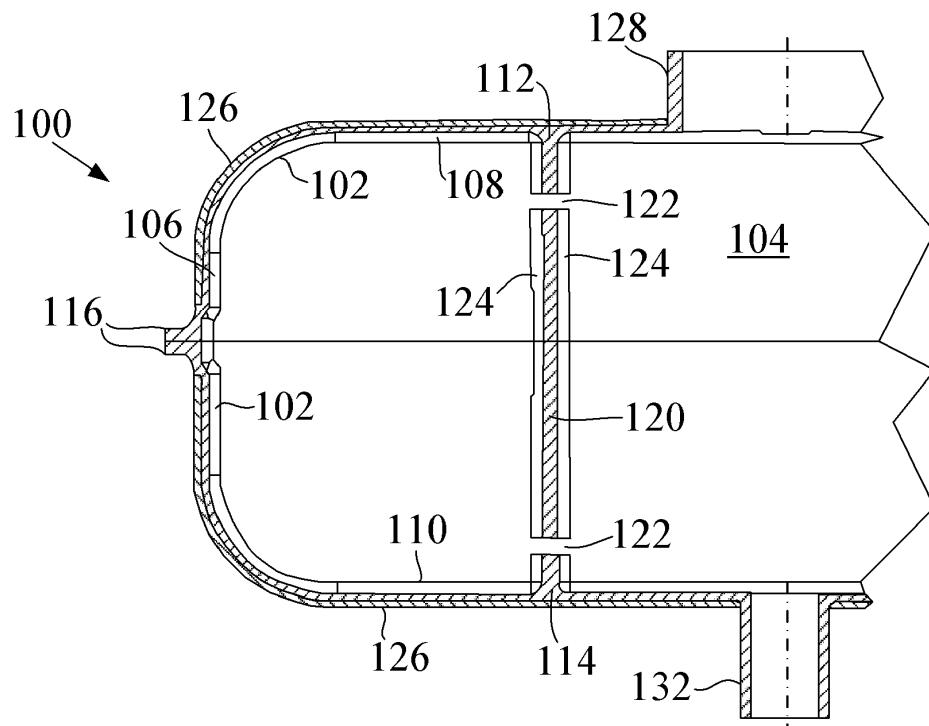


FIG. 2



## EUROPEAN SEARCH REPORT

Application Number  
EP 10 17 6989

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 4 585 052 A (KANEKO TETSUO [JP] ET AL) 29 April 1986 (1986-04-29)	1,4,11	INV. F01P11/02
Y	* column 2, line 62 - column 3, line 29 * ----- US 3 874 544 A (HARMON EMERSON R) 1 April 1975 (1975-04-01) * column 2, lines 16-23; figure 5 * * column 2, lines 49-56 *	3,9,10, 12	
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			TECHNICAL FIELDS SEARCHED (IPC)
			F01P
The present search report has been drawn up for all claims			
1	Place of search Munich	Date of completion of the search 4 December 2012	Examiner Luta, Dragos
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			

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

EP 10 17 6989

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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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