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(54) **Improved vapour cycle system.**

(57) The present invention relates to an improved vapour cycle system in particular, but not exclusively, for use in air conditioning and refrigeration plants.

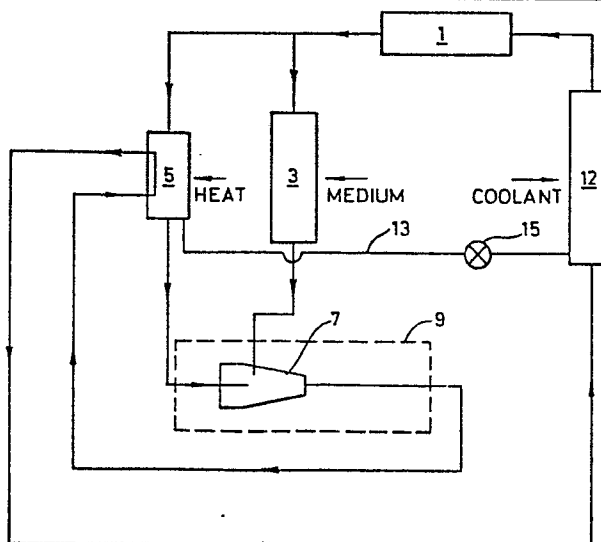
According to the present invention, there is provided an improved vapour cycle system comprising:

a receiver (1) for storing a working fluid;
an evaporator (3) for receiving liquid working fluid from the receiver (1);

a heat exchanger (5) for receiving an entraining fluid and heating said entraining fluid to produce a high pressure gas;

a jet pump (7) for receiving said high pressure gas from said heat exchanger (5) and drawing into it evaporated working fluid from said evaporator (3); and

means (12) for feeding condensed working fluid to said receiver (1).





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	US-A-3 242 679 (PUCKETT) * Column 2, line 12 - column 7, line 69; figures 1-11 *	1-4, 7, 10	F 25 B 1/08
Y		6, 8	
Y	FR-A-1 580 420 (FOSTER WHEELER JOHN BROWN BOILERS LTD.) * Page 2, line 37 - page 4, line 3; figure 1 *	6	
A		1, 2, 4, 7, 10	
Y	DE-A-2 629 345 (KRUPP) * Page 4, line 9 - page 6, line 19; figures 1, 2 *	8	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A		1-4, 7, 10	F 25 B
A	US-A-4 301 662 (WHITMAN) * Column 2, line 55 - column 5, line 12; figure *	1-4, 7, 8, 10	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26-11-1985	Examiner BOETS A.F.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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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	DE-A-3 035 207 (KRUPP) * Page 7, line 5 - page 9, line 28; figures 1-4 *	1-4, 8, 10	
A	FR-A- 930 352 (MORTREUX) * Page 2, line 19 - page 3, line 36; figure 2 *	1-5, 10	
A	GB-A- 619 112 (MEYER) * Page 1, line 50 - page 2, line 62; figure *	1, 2, 4, 10	
A	US-A-4 213 305 (DE GEUS) * Column 1, line 63 - column 4, line 9; figure 1 *	1, 2, 4, 7, 10	
A	FR-A-1 077 020 (DE MADDALENA) * Page 1, left-hand column, paragraph 3 - page 2, left-hand column, paragraph 2; figures *	1, 2, 10	
A	FR-A-2 018 245 (THIELMANN) * Page 3, line 39 - page 7, line 12; figures 1-3 *	1, 2, 6, 7, 10	
A	US-A-2 931 190 (DUBITZKY) --- --/-		
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	DE-A-3 004 070 (WEISZHAAR)	

A	US-A-2 637 174 (AUSTIN)	

A	US-A-4 321 801 (COLLARD)	

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