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54 Refrigeration circuit comprising a turbine for driving a rotary member.

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A turbine (6) arranged in the refrigeration circuit of a refrigerator so as to be driven by refrigerant fluid is connected into the circuit at a position such that the enthalpy of the refrigerant fluid driving the turbine is substantially at a maximum. The turbine (6) comprises a rotor (11) which is driven by means of injected refrigerant fluid. The turbine (6) drives a fan impeller (16) which is preferably coupled to the turbine (11) rotor by a magnetic coupling.

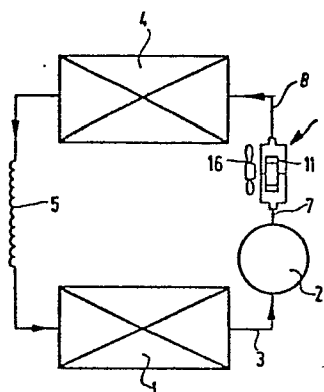


FIG. 1



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)
D, Y	US-A-4 442 682 (HIROTSUGU SAKATA) * Column 3, line 34 - column 6, line 52; figures 1-7 *	1, 2	F 25 B 11/00
Y	DE-A-3 115 005 (ROLAND) * Page 3, last paragraph - page 4, paragraph 7; figures 1, 2 *	1, 2	
A	AU-B- 501 696 (COLD CYCLE) * Page 9, line 2 - page 12, line 9; page 16, line 21 - page 17, line 28; figures 1-10 *	3, 4, 6	
A	DE-A-2 657 277 (GAUS) * Page 8, paragraph 6 - page 13, paragraph 1; figures 1, 2 *	3, 4	
A	PATENTS ABSTRACTS OF JAPAN, vol. 3, no. 112 (M-73), 19th September 1979, page 64 M 73; & JP - A - 54 86 842 (HITACHI SEISAKUSHO K.K.) 07-10-1979	5, 6	F 25 B F 25 D
A	US-A-2 394 109 (SANCHEZ) * Page 2, left-hand column, line 30 - page 4, right-hand column, line 32; figures 1-5 *	3, 4, 6	
A	FR-A- 548 731 (COLLIARD)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11-04-1986	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	



DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	US-A-3 340 700 (BOESE) -----	
		CLASSIFICATION OF THE APPLICATION (Int Cl 4)
		TECHNICAL FIELDS SEARCHED (Int Cl 4)
The present search report has been drawn up for all claims		
Place of search THE HAGUE		Date of completion of the search 11-04-1986
		Examiner BOETS A.F.J.
CATEGORY OF CITED DOCUMENTS		
X	particularly relevant if taken alone	T : theory or principle underlying the invention
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