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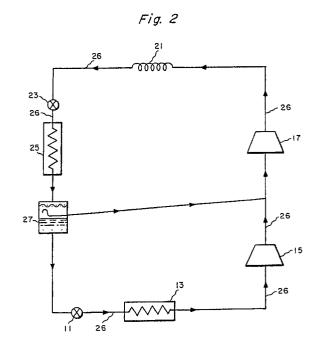
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- Refrigerator system with dual evaporators for household refrigerators.
- (57) A refrigerator system suitable for use in a household refrigerator having a freezer compartment and a fresh food compartment is provided. The refrigerator system includes a first expansion valve (11), a first evaporator (13) for providing cooling to the freezer compartment, a first compressor (15), a second compressor (17), a condensor (21), a second expansion valve (23), and a second evaporator (25) providing cooling to the fresh food compartment. All the above elements are connected together in series in that order, in a refrigerant flow relationship. A phase separator (27) connects the second evaporator (25) to the first expansion valve (11) in a refrigerator flow relationship and the phase separator (27) provides intercooling between the first and second compressors.





EUROPEAN SEARCH REPORT

EP 89 12 2896

DOCUMENTS CONSIDERED TO BE RELEVANT					
ategory		n indication, where appropriate, ant passages		evant claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)
Υ	US-A-4 435 962 (MOCHIZI * Column 3, lines 27-50; figu		1,2,3 8	3,5,7,	F 25 B 5/04 F 25 B 1/10
Υ	US-A-4 745 777 (MORISHITA et al.) * Column 4, line 37 - column 9, line 55; figure 8 *		1,2,	3,5,7	7 20 30
Υ	E.H.M. BÄCKSTRÖM et al.: "Kältetechnik", 3rd editio 1965, pages 112-115,293-294, Verlag G. Braun, Karlsı DE * Page 113, figure 4.47c; page 293, figure 8.21b *				
Α	IDEM		4,6		
					TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			-		F 25 B
The present search report has been drawn up for all claims					
Place of search Date of completion of search			earch		Examiner
	The Hague	14 February 9	1		BAECKLUND O.A.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same catagory			E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons		
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