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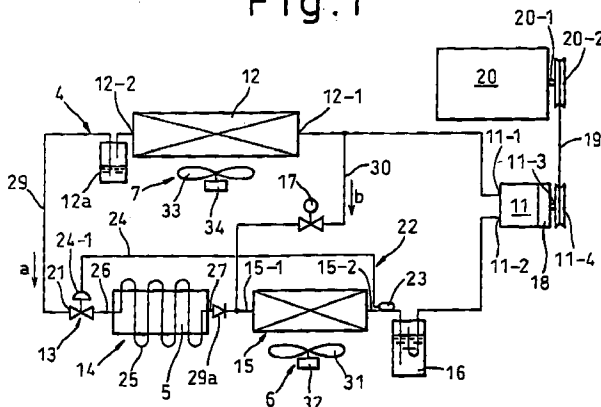
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(54) Refrigerating system

(57) A refrigerating system having a cool storage evaporator 14 and a refrigerating evaporator 15 arranged in series. The cool storage evaporator 14 includes a rounded cross sectioned tube 25 which is in contact with a cool storage material stored in containers. The cool storage material has a melting temperature which substantially corresponds to a predetermined value of evaporating temperature of a refrigerant when the temperature inside a refrigerating compartment is reduced to a predetermined value for switching from a refrigerating operation to a cool storage operation. Dur-

ing the refrigerating operation, the cool storage material is prevented from being frozen, thereby preventing a load to the cool storage material. During a cool storage operation obtained by stopping the operation of an inner fan 31, a throttling of a temperature operated expansion valve 13 maintains desired temperature difference between the temperature of the cool storage material and an evaporating temperature of the refrigerant at the cool storage evaporator 14.

Fig. 1



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EUROPEAN SEARCH REPORT

Application Number
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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.6)
A	US-A-2 515 825 (W A GRANT) * column 1, line 50 - column 3, line 40; figure 1 *	1,2,6,9	F25D16/00
A	US-A-4 918 936 (SAKAMOTO NORIAKI) 24 April 1990 * the whole document *	1,9	
X	EP-A-0 477 475 (COSTAN SPA) 1 April 1992 * the whole document *	4	
A	US-A-2 922 292 (H.T. LANGE) * the whole document *	5	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			F25D F25B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24 May 1996	Examiner Zaegel, B
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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