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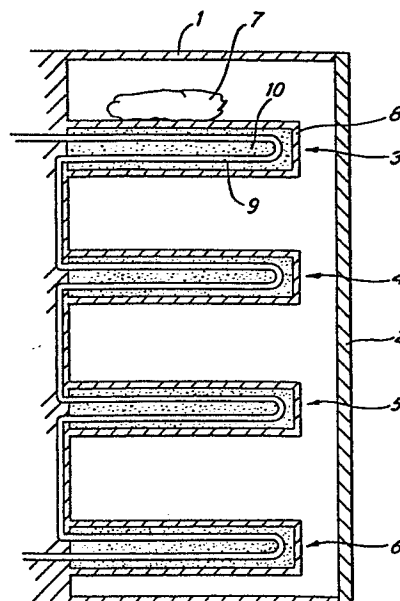
## 54 Improvements in or relating to freezers.

57 A freezer, having an outer housing (1) and a door (2), contains a number of shelves (3 to 6) upon which frozen food (7) is stored.

Each shelf comprises a casing (8) filled with brine solution (10) having an eutectic temperature a few degrees lower than the desired operating temperature of the freezer. An evaporator coil (9), forming part of a refrigeration system, including a compressor, of the freezer, is immersed in the brine solution (10) in each casing.

During the night storage period, the compressor is run on cheap rate electricity and the brine solution (10) gives up heat energy, thereby undergoing a phase change.

During the daytime, the compressor is stopped and the brine solution (10) slowly absorbs heat energy from within the freezer, thereby slowly undergoing a reverse phase change and maintaining a substantially constant desired operating temperature of the freezer.





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# EUROPEAN SEARCH REPORT

0098052

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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. 3)
X	US-A-2 521 063 (KLEIST) * column 2, line 14 - column 3, line 47; figures 1-3 *	1-6	F 25 D 11/00 F 25 D 25/02
Y	---	7-10	
Y	US-A-2 814 186 (KLEIST) * column 2, line 5 - column 5, line 39; figures 1-11 *	7-9	
Y	US-A-3 747 364 (LAING) * column 3, line 1 - column 4, line 50; figures 1-3 *	10	
A	US-A-2 428 312 (HERBENER) * column 3, line 33 - column 12, line 29; figures 1-17 *	1-9	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
A	US-A-2 428 311 (HERBENER) * column 3, line 22 - column 11, line 77; figures 1-19 *	1-6	F 25 D
A	EP-A-0 053 589 (INDESIT) * page 3, line 20 - page 9, line 23; figure *	1,2,10	
P,A	GB-A-2 094 459 (TOKYO SHIBAURA DENKI) * page 1, line 119 - page 3, line 113; figures 1-12 *	1-3,10	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23-12-1983	Examiner BOETS A.F.J.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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  &amp; : member of the same patent family, corresponding document</p>			



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Page 2

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A	DE-A-2 726 954 (HOLZER)		
A	CH-A- 146 947 (FARKAS)		
A	US-A-1 839 651 (COPEMAN)		
A	DE-A-1 501 216 (BROWN, BOVERI)		
A	US-A-2 889 694 (KLEIST)		
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