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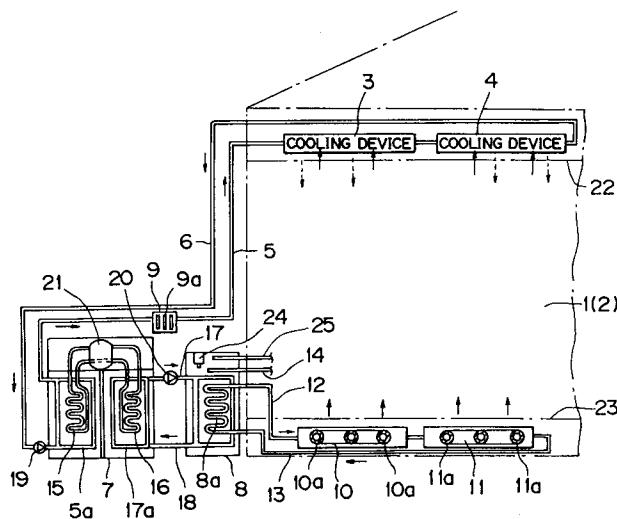
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25.11.92 Bulletin 92/48(72) Inventor: Fukayama, Tateki  
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## (54) Warming and cooling system.

(57) A warming and cooling system includes a cooling device (3, 4) for installation in an upper part (22) of a living space, a warming device (10, 11) for installation in a lower part (23) of the living space, a heat pump (7) having an evaporation portion (15) and a condensation portion (16) and serving as a heat transfer drive source for transferring heat recovered from the cooling device, a heat exchanger (8) to which the recovered heat is transferred, first heat pipe device (5, 6) having brine sealed therein and

connecting the evaporation portion of the heat pump to the cooling device, second heat pipe device (17, 18) having brine sealed therein and connecting the condensation portion of the heat pump to the heat exchanger, and third heat pipe device (12, 13) having brine sealed therein and connecting the heat exchanger to the warming device to allow the warming device to emit radiant heat for warming the lower part of the living space.

## FIG. 2





European Patent  
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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.5)						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 500 (M-891) 10 November 1989 & JP-A-12 00 128 (OBAYASHI) 11 August 1989 * abstract * ---	1	F24F5/00 F24F12/00						
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 335 (M-1000) 19 July 1990 & JP-A-21 15 637 (CLARION) * abstract * -----								
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)						
			F24F F24D						
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>THE HAGUE</td> <td>13 NOVEMBER 1992</td> <td>PESCHEL G.</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	THE HAGUE	13 NOVEMBER 1992	PESCHEL G.
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THE HAGUE	13 NOVEMBER 1992	PESCHEL G.							
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