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(54) **Temperature control method and unit for cooler devices**

(57) A cooler device (1) adapted to operate with the method according to the present invention comprises at least one cooler compartment (10) and at least one freezer compartment (11); temperature sensors (13, 14) situated in said compartments (10, 11) to measure the temperature in said compartments (10, 11); a cooling setup containing evaporator (2), condenser (9), compressor (5) units, at least one fan (3), circulating air cooled down by the evaporator (2) within the cooler device (1), and at least one damper (4) that is opened and closed in an airflow channel (6) between the compartments (10, 11); and a control unit (12) controlling the operation of the cooler device. According to this method, temperatures measured (TF, TR) are compared to predetermined threshold values (TF1, TF2, TR1, TR2) in the control unit (12) and the operation states of the compressor (5) and fan (3) and the open/closed position of the damper (4) are determined according to the result of such comparisons.

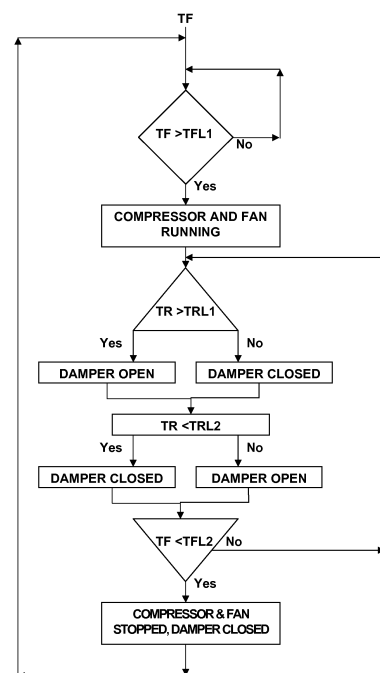


Figure - 3



EUROPEAN SEARCH REPORT

Application Number
EP 11 16 5217

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 125 641 A (KIM SEOK RO [KR] ET AL) 3 October 2000 (2000-10-03) * abstract; figure 3 * * column 2, line 19 - line 51 * -----	1-6	INV. F25D17/04 F25D17/06
A	JP H02 133771 A (TOSHIBA CORP) 22 May 1990 (1990-05-22) * abstract; figures 1-4 * -----	1-6	
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			TECHNICAL FIELDS SEARCHED (IPC)
			F25D F25B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 13 March 2014	Examiner Yousufi, Stefanie
<p>CATEGORY OF CITED DOCUMENTS</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 & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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