



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
19.08.2009 Bulletin 2009/34

(51) Int Cl.:
F25D 21/06^(2006.01)

(43) Date of publication A2:
24.12.2008 Bulletin 2008/52

(21) Application number: **08158472.4**

(22) Date of filing: **18.06.2008**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
 Designated Extension States:
AL BA MK RS

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(30) Priority: **19.06.2007 IT AR20070030**

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(54) **Refrigerating machine with defrosting unit**

(57) A refrigerating machine comprising a refrigeration system, a chamber (1) to be refrigerated, a freezing-defrosting subchamber (2), a fan (3) with which the air of the chamber to be refrigerated is pushed and made to circulate through the freezing-defrosting subchamber (2), which is provided with a thermoelectric Peltier-effect refrigerating device (4), whose normally warm part is in contact with evaporator of the refrigeration assembly and whose normally cold part is combined with the freezing-defrosting surface (6), and wherein the electric power source is provided with a switching and adjustment assembly (5) by means of which the surface (6) is switched from cold to warm and its temperature is adjusted.

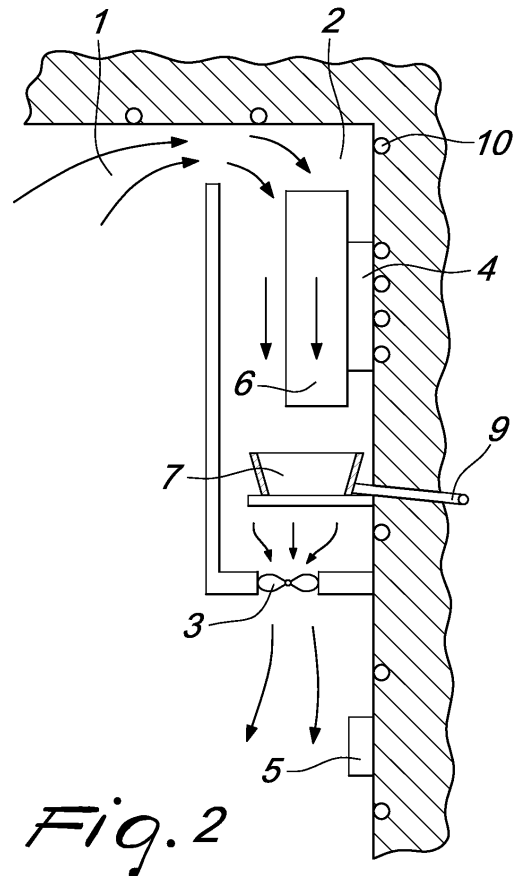


Fig. 2



EUROPEAN SEARCH REPORT

Application Number
EP 08 15 8472

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 4 764 193 A (CLAWSON LAWRENCE G [US]) 16 August 1988 (1988-08-16) * the whole document *	1	INV. F25D21/06
A	----- WO 2007/021270 A (CARRIER CORP [US]; CHEN LEI [US]) 22 February 2007 (2007-02-22) * the whole document *	1	
A	----- JP 2004 176952 A (TSUIN BADO KOGYO KK) 24 June 2004 (2004-06-24) * abstract; figure 1 *	1	
A	----- JP 2000 097546 A (SANYO ELECTRIC CO) 4 April 2000 (2000-04-04) * abstract; figure 1 *	1	
A	----- JP 10 153370 A (SANYO ELECTRIC CO) 9 June 1998 (1998-06-09) * abstract *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			F25D F25B
2	Place of search Munich	Date of completion of the search 14 July 2009	Examiner Jessen, Flemming
CATEGORY OF CITED DOCUMENTS		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	
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			

EPO FORM 1503 03/02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 15 8472

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14-07-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4764193 A	16-08-1988	NONE	
WO 2007021270 A	22-02-2007	CA 2618570 A1 CN 101443612 A EP 1913315 A2	22-02-2007 27-05-2009 23-04-2008
JP 2004176952 A	24-06-2004	NONE	
JP 2000097546 A	04-04-2000	NONE	
JP 10153370 A	09-06-1998	NONE	

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