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(54) **Refrigerator and method for controlling the same**

(57) The present invention relates to a refrigerator (1) and method for controlling the same. More specifically, the present invention relates to a configuration and control method for controlling a home bar heater (120).

With the refrigerator (1) and control method accord-

ing to an embodiment of the present invention, the voltage supplied to the home bar heater (120) can variably be controlled, making it possible to reduce power consumption for driving the home bar heater (120).

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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 (IPC)
E	EP 2 085 725 A2 (LG ELECTRONICS INC [KR]) 5 August 2009 (2009-08-05) * paragraphs [0050], [0071] - [0075], [0077]; claims 1-3 *	1-15	INV. F25D23/02 F25D23/04
A	----- KR 2003 0091151 A (LG ELECTRONICS INC [KR]) 3 December 2003 (2003-12-03) * abstract *	1-15	
A	----- US 2004/237568 A1 (DEVOS RICHARD [US]) 2 December 2004 (2004-12-02) * abstract; figures 1,2 * * paragraphs [0024] - [0028] *	1-15	
A	----- KR 2007 0040120 A (DAEWOO ELECTRONICS CORP [KR]) 16 April 2007 (2007-04-16) * abstract; figures 1-3 *	1-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			F25D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		19 October 2016	Salaün, Eric
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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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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19-10-2016

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 2085725 A2	05-08-2009	EP 2085725 A2	05-08-2009
		KR 20090084046 A	05-08-2009

KR 20030091151 A	03-12-2003	NONE	

US 2004237568 A1	02-12-2004	CA 2465568 A1	02-12-2004
		US 2004237568 A1	02-12-2004

KR 20070040120 A	16-04-2007	NONE	

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