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(71) Applicant: **LG Electronics Inc.**
Youngdungpo-gu
Seoul (KR)

(72) Inventors:

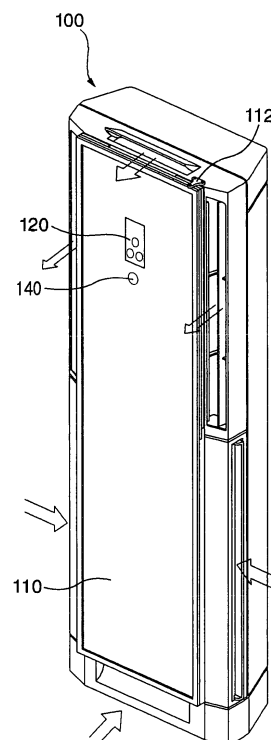
- **Kim, Dong Jin**
Wonjoo-si
Kangwon-do (KR)
- **Kang, Hyuk Myung**
Kangseo-ku
Seoul (KR)

(74) Representative: **Palmer, Jonathan R.**
Boult Wade Tennant
Verulam Gardens
70 Gray's Inn Road
London WC1X 8BT (GB)

(54) **Air conditioner and method for updating control program for air conditioner**

(57) Provided are an air conditioner and a method for updating a control program for an air conditioner. The air conditioner includes: a main machine constituting an appearance and a display unit. The display unit is provided to the main machine to display an operating state of the main machine and receive a signal for controlling an operation of the main machine. The display unit displays a function button for displaying an operating state of the main machine and controlling an operation of the main machine. Also, the display unit includes a touch screen allowing a user touch a button to select the button. In the method for updating a control program for an air conditioner, an external storage medium in which an update program file is stored is mounted in a storage medium mounting part, the update program file is displayed on a display part, and the update program file is selected and executed.

Fig.1



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EUROPEAN SEARCH REPORT

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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)
X	DE 20 2005 005913 U1 (HALFMANN HORST [DE]) 30 June 2005 (2005-06-30) * paragraph [0027] - paragraph [0037]; figure 1 *	1-23	INV. F24F11/00 F24F1/00
X	----- EP 1 429 082 A2 (LG ELECTRONICS INC [KR]) 16 June 2004 (2004-06-16) * paragraph [0017] - paragraph [0064]; figures 2-7 *	1-23	
A	----- JP 11 337157 A (TOSHIBA CORP; TOSHIBA AVE KK) 10 December 1999 (1999-12-10) * abstract; figures *	1-23	
A	----- EP 0 985 994 A1 (ELECTROWATT TECH INNOVAT CORP [CH]) 15 March 2000 (2000-03-15) * abstract; figures *	1-23	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			F24F G06F
Place of search		Date of completion of the search	Examiner
Munich		4 March 2011	González-Granda, C
<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</p> <p>& : member of the same patent family, corresponding document</p>			

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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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04-03-2011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 202005005913 U1	30-06-2005	NONE	
EP 1429082 A2	16-06-2004	CN 1506634 A	23-06-2004
		JP 2004191037 A	08-07-2004
		US 2004107717 A1	10-06-2004
JP 11337157 A	10-12-1999	NONE	
EP 0985994 A1	15-03-2000	NONE	