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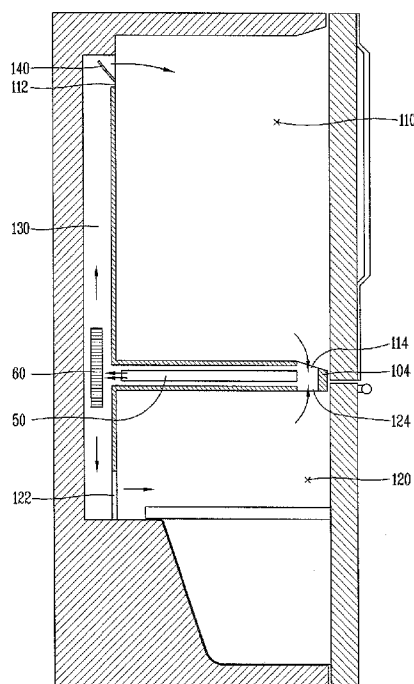
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(54) Title: METHOD FOR CONTROLLING TEMPERATURE OF REFRIGERATOR AND REFRIGERATOR USING THE SAME

[Fig. 2]

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(57) Abstract: Disclosed are a method for controlling a temperature of a refrigerator, and a refrigerator having the same. The refrigerator comprises a refrigerator body having a refrigeration chamber and a freezing chamber, a cool air duct having suction ports and discharge ports communicated with the refrigeration chamber and the freezing chamber, respectively, a damper configured to open or close the discharge port of the refrigeration chamber, an evaporator installed in the cool air duct, and configured to heat-exchange a refrigerant and cool air with each other, a blowing fan configured to discharge the cool air to the discharge port via the evaporator, a compressor configured to compress the refrigerant, a condenser connected to the compressor, a three-way valve connected to the condenser, first and second expansion units connected to two outlets of the three-way valve, the second expansion unit having an opening degree larger than that of the first expansion unit, and a controller configured to control an open or closed state of the three-way valve according to temperatures of the freezing chamber and the refrigeration chamber.



GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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A. CLASSIFICATION OF SUBJECT MATTER***F25D 29/00(2006.01)i, F25D 19/00(2006.01)i***

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

F25D 29/00; F25D 19/00; F25B 5/04; F25D 11/02; F25B 5/02; F25D 11/00; F25B 1/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: Refrigerator, Control, Expansion, Condensor, and Compressor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2003-042628 A (MITSUBISHI ELECTRIC CORP) 13 February 2003 See Paragraphs [0038] - [0180]; and Figures 1 - 15	1-11
X	JP 2002-195733 A (MATSUSHITA REFRIG CO LTD) 10 July 2002 See Paragraphs [0019] - [0064]; and Figures 1 - 8	1-11
A	JP 2004-293820 A (MITSUBISHI ELECTRIC CORP) 21 October 2004 See Paragraphs [0009] - [0046]; and Figures 1 - 15	1-11
A	JP 2006-125843 A (MATSUSHITA REFRIG CO LTD) 18 May 2006 See Paragraphs [0048] - [0108]; and Figures 1 - 7	1-11



Further documents are listed in the continuation of Box C.



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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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None