

Title (en)  
REFRIGERATOR AND METHOD OF CONTROLLING A REFRIGERATOR

Title (de)  
KÜHLSCHRANK UND VERFAHREN ZUR STEUERUNG EINES KÜHLSCHRANKS

Title (fr)  
RÉFRIGÉRATEUR ET PROCÉDÉ DE COMMANDE D'UN RÉFRIGÉRATEUR

Publication  
**EP 4006455 A1 20220601 (EN)**

Application  
**EP 21211064 A 20211129**

Priority  
KR 20200164761 A 20201130

Abstract (en)  
A method of controlling a refrigerator (1) including: a cabinet (10) in which a refrigerating compartment (13) and a freezing compartment (12) are formed; a refrigerating compartment temperature sensor (32) included in the refrigerating compartment (13); an evaporator (17) included in the freezing compartment (12); a freezing compartment fan (19) included in the freezing compartment (12) and configured to supply cold air to the freezing compartment (12) and the refrigerating compartment (13); a compressor (15) operable with variable cooling power; a condenser (16) connected to the compressor (15); a condenser fan (18) configured to cool the condenser (16); and a controller (30) configured to control the compressor (15), the freezing compartment fan (19), and the condenser fan (18) to maintain the refrigerating compartment (13) at a target control temperature depending on temperature detected by the refrigerating compartment temperature sensor (32), the method comprising: detecting (S 120) outside temperature through an outside temperature sensor (31) configured to detect ambient temperature of the refrigerator (1); performing a winter operation (200) when the outside temperature detected by the outside temperature sensor (31) is equal to or less than a set temperature; and performing a normal operation (300) when the temperature detected by the outside temperature sensor (31) is higher than the set temperature.

IPC 8 full level  
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Citation (applicant)  
KR 20040085324 A 20041008 - DAEWOO ELECTRONICS CORP

Citation (search report)

- [Y] WO 2015133173 A1 20150911 - SHARP KK [JP]
- [Y] KR 20040094875 A 20041110
- [Y] JP 2006200782 A 20060803 - MATSUSHITA ELECTRIC IND CO LTD

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