

Title (en)
REFRIGERATOR AND CONTROL METHOD THEREFOR

Title (de)
KÜHLSCHRANK UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
RÉFRIGÉRATEUR ET SON PROCÉDÉ DE COMMANDE

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Abstract (en)
The present invention relates to a refrigerator and a control method therefor. A refrigerator according to the present invention is configured such that a drawer is opened by an opening/closing motor operating by inputting a manipulation of a user and a lifting unit is elevated by a lifting motor, and then the opening/closing motor is again operated, thereby allowing the drawer to be normally closed. After the drawer is normally closed, the opening/closing motor is further operated in a closed direction of the drawer to close the drawer once more. Thus, slight-opening of the drawer is prevented.

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Citation (applicant)
• KR 20190085200 A 20190718 - SAMSUNG DISPLAY CO LTD [KR]
• KR 20090102577 A 20090930 - LG ELECTRONICS INC [KR]
• KR 20090102576 A 20090930 - LG ELECTRONICS INC [KR]
• KR 20130071919 A 20130701 - LG ELECTRONICS INC [KR]
• KR 20180138083 A 20181228 - LG ELECTRONICS INC [KR]
• US 9377238 B2 20160628 - HALL DAVID L [US], et al

Citation (search report)
• [XAI] KR 20180138085 A 20181228 - LG ELECTRONICS INC [KR]
• [XII] US 2010236279 A1 20100923 - EOM YONG HWAN [KR], et al
• [XII] WO 2018051963 A1 20180322 - PANASONIC IP MAN CO LTD [JP]

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