

Title (en)

DOOR OPENING AND CLOSING APPARATUS FOR REFRIGERATOR

Title (de)

TÜRÖFFNUNGS- UND -SCHLIESSVORRICHTUNG FÜR KÜHLSCHRANK

Title (fr)

APPAREIL D'OUVERTURE ET DE FERMETURE DE PORTE DESTINE A UN REFRIGERATEUR

Publication

EP 1856464 A1 20071121 (EN)

Application

EP 05780569 A 20050817

Priority

- KR 2005002685 W 20050817
- KR 20050017066 A 20050228

Abstract (en)

[origin: WO2006090958A1] There is provided a door opening and closing apparatus of a refrigerator. The door opening and closing apparatus includes a plurality of doors for opening and closing a refrigerator main body, gasket assemblies provided in the parts where the plurality of doors face each other to be attached to the counterpart doors to seal up a gap between the doors, hinge mechanisms for connecting the doors to the refrigerator main body so that the doors are horizontally moved with respect to the refrigerator main body to some extent, actuators for horizontally moving the doors so that the gasket assemblies are separated from the counterpart doors when the doors are opened, and actuator driving mechanisms for driving the actuators. Therefore, it is possible to completely separate the two gaskets from each other so that it is possible to easily open and close the doors and to prevent the gaskets from contacting each other and to thus prevent the gaskets from being abraded or damaged.

IPC 8 full level

F25D 23/02 (2006.01)

CPC (source: EP KR)

A47K 10/04 (2013.01 - KR); **E05C 19/006** (2013.01 - EP); **E05C 19/161** (2013.01 - EP); **F25D 23/028** (2013.01 - EP); **A47K 2201/02** (2013.01 - KR); **E05B 2047/0068** (2013.01 - EP); **E05Y 2900/31** (2013.01 - EP); **F25D 23/087** (2013.01 - EP); **F25D 2323/021** (2013.01 - EP); **F25D 2323/024** (2013.01 - EP); **F25D 2500/02** (2013.01 - EP)

Citation (search report)

See references of WO 2006090958A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2006090958 A1 20060831; EP 1856464 A1 20071121; KR 100707435 B1 20070413; KR 20060095418 A 20060831

DOCDB simple family (application)

KR 2005002685 W 20050817; EP 05780569 A 20050817; KR 20050017066 A 20050228