

Title (en)
TURNOVER BEAM AND REFRIGERATOR PROVIDED WITH SAME

Title (de)
WENDEBALKEN UND KÜHLSCHRANK DAMIT

Title (fr)
POUTRE ARTICULÉE ET RÉFRIGÉRATEUR LA CONTENANT

Publication
EP 2857779 A4 20160120 (EN)

Application
EP 13884952 A 20130807

Priority
CN 2013080945 W 20130807

Abstract (en)
[origin: EP2857779A1] The present invention relates to a turnover beam and a refrigerator provided with the turnover beam. The turnover beam comprises: a front cover plate, a rear cover plate, a mount, and an elastic structure; wherein: the front cover plate and the rear cover plate mate with each other to form a cavity, the mount and the elastic structure being positioned in the cavity; the mount comprises a fixing position coupled to a refrigerator door and a rotating shaft hinged to a hole on the front cover plate, the rotating shaft being provided with a limiting stopper; and one end of the elastic structure is fixed into the cavity, and the other end of the elastic structure is a free end which elastically mates with the limiting stopper, when the refrigerator door is at either of two limiting positions, the free end of the elastic structure being positioned on two sides of the limiting stopper, and when the refrigerator door is between the two limiting positions, the free end being in elastic extrusion mating with the limiting stopper. The present invention has the advantages of simple structure, convenient mounting, and long service life.

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CPC (source: EP)
F25D 23/02 (2013.01); **F25D 2323/021** (2013.01)

Citation (search report)

- [IA] JP H04225774 A 19920814 - SANYO ELECTRIC CO
- [A] WO 2009109878 A1 20090911 - INDESIT CO SPA [IT], et al
- [A] CN 101865592 B 20121128 - GUANGDONG HOMA APPLIANCES CO
- [A] JP 2012021674 A 20120202 - TOSHIBA CORP, et al
- [A] JP 2012137221 A 20120719 - HAIER ASIA INT CO LTD
- See also references of WO 2015017990A1

Cited by
CN108775755A; CN108759266A; CN114111188A; CN106595206A; CN108844281A; WO2019112939A3; WO2016010891A1; US10837695B2

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