

Title (en)

Bottom drawer type refrigerator having basket lift device

Title (de)

Bodenschubladekühlschrank mit Korbhebevorrichtung

Title (fr)

Réfrigérateur du type tiroir de base avec dispositif de levage d'un panier

Publication

EP 1621837 B1 20080326 (EN)

Application

EP 05008329 A 20050416

Priority

KR 20040059930 A 20040729

Abstract (en)

[origin: EP1621837A2] In a refrigerator which includes a main body (10) having a lower cooling chamber (18) disposed at a lower portion of the main body, a base frame (30) is disposed to be moved in inward/outward directions at a lower cooling chamber (18) and has a drawer door (22) at a front side thereof. A lift frame (36) is disposed above the base frame (30), on which a basket (20) is placed. A rotatable lead screw (40) is vertically disposed at a rear surface of the drawer door (22), and a lift unit is formed at front of the lift frame (36) for moving up and down along the lead screw (40). A driving unit (38) rotates the lead screw (40) clockwise or counterclockwise. When the basket (20) is drawn out, the basket can be lifted to allow the user to take a food item out of the basket without bending his/her back. Thus, users' convenience can be enhanced.

IPC 8 full level

F25D 25/02 (2006.01); **A47B 88/00** (2006.01)

CPC (source: EP KR US)

F25D 23/02 (2013.01 - KR); **F25D 25/00** (2013.01 - KR); **F25D 25/02** (2013.01 - KR); **F25D 25/025** (2013.01 - EP US); **A47B 2210/17** (2013.01 - EP US); **F25D 25/04** (2013.01 - EP US)

Cited by

EP2828593A4; EP3546865A1; EP1881282A3; EP3617629A1; EP4105582A1; WO2021184697A1; US11333431B2; US11668519B2

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DOCDB simple family (application)

EP 05008329 A 20050416; AU 2005201538 A 20050412; CN 200510078128 A 20050613; DE 602005005571 T 20050416; KR 20040059930 A 20040729; US 10453905 A 20050413