

Title (en)
Sliding apparatus and refrigerator having the same

Title (de)
Schiebevorrichtung und Kühlschrank damit

Title (fr)
Appareil coulissant et réfrigérateur le comportant

Publication
EP 2650629 A2 20131016 (EN)

Application
EP 13162046 A 20130403

Priority
KR 20120037924 A 20120412

Abstract (en)
Disclosed herein is a refrigerator which improves the structure of a sliding apparatus to reduce noise and warpage generated when a storage unit slides. The refrigerator includes storage units inserted into and extracted out of storage chambers in a sliding manner, cover rails combined with both side walls of the insides of the storage chambers and provided with rack gears and planar parts, slide units combined with both side surfaces of the storage units and including pinion gears moving in a state in which the pinion gears are engaged with the rack gears and moving in a state in which the pinion gears are suspended above the planar parts, a connection bar connected between the pinion gears to prevent movement of the storage units, and a reinforcing frame connected between the slide units to prevent warpage of the storage units generated when the pinion gears move above the planar parts.

IPC 8 full level
F25D 25/02 (2006.01)

CPC (source: EP KR US)
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Cited by
US2021356200A1; US11585593B2

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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EP 2650629 A2 20131016; **EP 2650629 A3 20151021**; KR 20130115546 A 20131022; US 2013270989 A1 20131017

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EP 13162046 A 20130403; KR 20120037924 A 20120412; US 201313800815 A 20130313