

Title (en)
SLIDING DEVICE FOR DRAWER

Title (de)
GLEITVORRICHTUNG FÜR EINE SCHUBLADE

Title (fr)
DISPOSITIF DE GLISSEMENT POUR TIROIR

Publication
EP 2878227 A4 20160330 (EN)

Application
EP 13822268 A 20130718

Priority
• KR 20120081590 A 20120726
• KR 2013006408 W 20130718

Abstract (en)
[origin: EP2878227A1] Disclosed herein is a sliding device for guiding a drawer such that the drawer is extended from or retracted into a storage body. The sliding device includes sliding rails each having a pair of flanges, and balls slidably connecting the sliding rails to each other. Each flange includes a raceway in which a portion of the corresponding ball is disposed. The raceway guides the ball such that the ball rolls in a direction of extension or retraction of the drawer. The raceway includes a bent part and support surfaces. The bent part extends parallel to the direction of extension or retraction of the drawer. The bent part is concave in a direction in which the ball is inserted into the raceway. The support surfaces are disposed forming a symmetric structure with respect to an imaginary line connecting a center point of the ball to the bent part.

IPC 8 full level
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CPC (source: EP KR US)
A47B 88/487 (2016.12 - KR); **A47B 88/493** (2016.12 - EP KR US); **A47B 96/07** (2013.01 - US); **A47B 2210/0032** (2013.01 - EP KR US); **A47B 2210/0059** (2013.01 - EP KR US)

Citation (search report)
• [XY] US 3451730 A 19690624 - KRISPINSKY ALOIS S, et al
• [XY] JP S54124620 U 19790831
• [XY] JP S51114221 U 19760916
• [X] US 4194793 A 19800325 - OFFERMANS HUBERT G [NL]
• [Y] DE 650068 C 19370915 - ZIEHL GUSTAV
• See references of WO 2014017775A1

Designated contracting state (EPC)
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

DOCDB simple family (publication)
EP 2878227 A1 20150603; EP 2878227 A4 20160330; CN 104540418 A 20150422; CN 104540418 B 20160907; KR 101352439 B1 20140120; US 2015189990 A1 20150709; WO 2014017775 A1 20140130

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