

Title (en)

Side-locking ball bearing sliding rail assembly with auto-closing mechanism spring force adjustability

Title (de)

Seitlich arretiertes Kugellagergleitschienenanordnung mit Federkrafteinstellbarkeit des Selbstarretierungsmechanismus

Title (fr)

Ensemble de roulement à billes coulissant à verrouillage latéral avec réglage de la force de ressort par un mécanisme de fermeture automatique

Publication

EP 2850970 A1 20150325 (EN)

Application

EP 14250096 A 20140808

Priority

TW 102133778 A 20130918

Abstract (en)

A side-locking ball bearing sliding rail assembly formed of a fixed rail, a movable rail, an auto-closing mechanism carrier plate, a sliding device, a linking member and a spring member is disclosed. The auto-closing mechanism carrier plate has a spring force adjustment member longitudinally adjustably mounted thereon and connected with an opposite end of the spring member for adjusting the restoring force of the at least one spring member. By means of adjusting the position of a spring force adjustment member on the auto-closing mechanism carrier plate, the restoring force of the spring member is relatively adjusted to fit different requirements, and thus, the side-locking ball bearing sliding rail assembly can be used for carrying different loads or to fit different size tolerances without making any modifications, or changing the drawer or the spring member, assuring a high level of operating smoothness and accuracy.

IPC 8 full level

A47B 88/04 (2006.01); **A47B 88/493** (2017.01)

CPC (source: EP)

A47B 88/467 (2016.12)

Citation (applicant)

TW M292955 U 20060701 - GSLIDE CORP [TW]

Citation (search report)

- [X] CN 202112640 U 20120118 - GUANGDONG TAIMING METAL PRODUCTS CO LTD
- [I] EP 1557113 A1 20050727 - GRASS GMBH [AT]
- [X] CN 202009845 U 20111019 - SHAOHAN LI

Cited by

CN107772854A; CN109788848A; US2015366345A1; US9642460B2; AT18075U1; WO2024077319A1

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

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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