Title (en)

SLIDE RAIL STRUCTURE

Title (de

GLEITSCHIENENSTRUKTUR

Title (fr)

STRUCTURE DE GLISSIÈRE

Publication

EP 2233040 A4 20120516 (EN)

Application

EP 09703286 A 20090116

Priority

- · CN 2009000061 W 20090116
- CN 200820003089 U 20080118

Abstract (en)

[origin: EP2233040A1] A rail assembly includes an outer rail, a middle rail, an inner rail, and a restoring unit. The outer rail has an outer rail space, the middle rail slides in the outer rail space, the inner rail slides in a middle rail space, and a receiving space is disposed at a bottom of the middle rail. The restoring unit is assembled on one end of the outer rail space, and includes: a fixing part, disposed in the outer rail space, such that one end of the outer rail is made into a closed end; a sliding track, disposed on one end of the fixing part and located in the outer rail space; a buckling track, disposed on the sliding track; a buckling slot, disposed on the buckling track; a moving part, sliding along the sliding track; a buckling part, disposed on the moving part; a guiding part, disposed on the inner rail and temporarily snapped with the buckling part; and at least one elastic part, disposed between the fixing part and the moving part. When the inner rail slides in the outer rail space, one end of the buckling part passes through the moving part and slides along the buckling track, and the other end of the buckling part is snapped with the guiding part disposed on the inner rail, such that the moving part is temporarily fixed on the sliding track. The sliding track is pivoted in the receiving space at the bottom of the middle rail. In this manner, the inner rail is not obstructed by the sliding track when sliding in the outer rail space. Through the open-type sliding track, the moving part slides in the outer rail space, thereby increasing a restoring stroke of the moving part and a sliding scope of the middle rail. Therefore, a length of the middle rail is increased, and two receiving slots in the outer rail space are respectively disposed on two sides of the fixing part and the moving part. Thus, when sliding in the outer rail space, the inner rail space are respectively disposed on two sides of the fixing part and the moving part. Thus, when sliding in the outer rail, thereby increasing an

IPC 8 full level

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CPC (source: EP KR)

A47B 88/467 (2016.12 - EP KR)

Citation (search report)

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Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

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