

Title (en)

COPLANAR DOOR TRACK-CHANGING SLIDING MECHANISM AND COPLANAR DOOR SYSTEM

Title (de)

KOPLANARER TÜRSCHIENENWECHSELGLEITMECHANISMUS UND KOPLANARES TÜRSYSTEM

Title (fr)

MÉCANISME DE COULISSEMENT DE CHANGEMENT DE PISTE DE PORTE COPLANAIRE ET SYSTÈME DE PORTE COPLANAIRE

Publication

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Application

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Abstract (en)

The invention discloses a coplanar door rail-changing sliding mechanism and a coplanar door system. The coplanar door rail-changing sliding mechanism includes a door plate fixing base, a sliding mechanism for realizing a displacement of the door plate fixing base, a limiting mechanism for realizing rail change of the door plate fixing base, and a limit toggling piece for triggering the limiting mechanism to generate a displacement, wherein the limiting mechanism is connected between the sliding mechanism and the door plate fixing base; the limit toggling piece is provided at an end of a moving path at which the door plate fixing base is closed by the sliding mechanism; and when the sliding mechanism drives the door plate fixing base to arrive at the end of the moving path, the limit toggling piece is connected with the limiting mechanism, so that the limiting mechanism drives the door plate fixing base to move, and the door plate fixing base generates a rail-changing displacement relative to the sliding mechanism. The coplanar door rail-changing sliding mechanism may realize rail change of the door plate fixing base on a straight rail, may realize rail cutting according to the actual size of furniture, is flexible to apply and convenient to prepare, may be produced in batches and has low application cost.

IPC 8 full level

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CPC (source: CN EP)

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