

Title (en)

Swinging and sliding door for vehicles, especially for public transport vehicles

Title (de)

Ausschwenkbare Schiebetür für Fahrzeuge, insbesondere Fahrzeuge des öffentlichen Personenverkehrs

Title (fr)

Porte coulissante pivotante pour véhicules, notamment pour véhicules de transport en commun

Publication

EP 0624502 B1 19970604 (DE)

Application

EP 94105213 A 19940402

Priority

DE 4315617 A 19930511

Abstract (en)

[origin: EP0624502A1] A swinging and sliding door for vehicles, in particular public transport vehicles. A horizontally extending running rail (4) in which a roller guide (5) engages is arranged on the inside of the door wing (2) essentially in the region of the horizontal centre. The roller guide (5) is held in an intermediate mount (6) which is displaceably held in a mount (6) which is permanently connected to the body of the vehicle. During the opening movement of the door, the door wing (2) is moved initially outwards in a first movement step (Ö1) before being displaced laterally on the roller guide (5) in a second movement step. During the closing movement of the door, after moving into the door opening the door wing is given an additional movement parallel to the displacement direction of the second movement step (Ö2) in the reverse direction with respect to the first movement step (Ö1). This results in locking devices arranged on the door wing (2) engaging one in the other. The locking elements are arranged on the vertical side edges of the door wing on a frame (14) which runs all around the inside of the door wing and provides rigidity while their counter elements are located on the door frame (1). <IMAGE>

IPC 1-7

B61D 19/00; E05F 15/14; E05F 15/18

IPC 8 full level

B61D 19/00 (2006.01); **E05F 15/14** (2006.01); **E05F 15/60** (2015.01); **E05F 15/655** (2015.01)

CPC (source: EP)

B61D 19/008 (2013.01); **E05F 15/60** (2015.01); **E05F 15/655** (2015.01); **E05Y 2201/22** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2900/51** (2013.01)

Cited by

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