

Title (en)  
Mechanism for the hanging of sliding doors.

Title (de)  
Aufhängevorrichtung für Schiebetüren.

Title (fr)  
Dispositif de suspension pour portes coulissantes.

Publication  
**EP 0444378 A1 19910904 (EN)**

Application  
**EP 90500047 A 19900522**

Priority  
ES 9000600 A 19900301

Abstract (en)  
Mechanism for the hanging of sliding doors, comprising an upper, horizontal track (1) along which a carriage having a chassis (9, 33, 40) from which the sliding door (15) hangs. This track (1) also includes buffers (17) to restrict the trajectory. A cross section of the track shows a central, curved track (2) which has a curve radius greater than that of the wheels (3) and two straight, divergent parts (20, 21). The axle (8) of the plastic material, being situated between the wheels and the chassis (9, 33, 40). The buffers (17) consist of U-shaped bodies (22), which can be attached to the track (1), and extensions (26) serving the purpose of reinforcing said track (1). The chassis includes levelling devices (13, 36, 48). <IMAGE>

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Citation (search report)  
• [A] US 3289243 A 19661206 - MILETTE KENNETH A  
• [A] GB 531950 A 19410114 - VIKTOR KUHNLEIN  
• [A] EP 0285540 A2 19881005 - KLEIN IBERICA [ES]  
• [A] AU 504170 B2 19791004 - SYLON INTERNATIONAL PTY LTD  
• [A] DE 8605369 U1 19860430  
• [A] GB 295138 A 19280809 - ERNEST HILL ALDAM  
• [A] DE 3212640 A1 19831013 - RIEXINGER TUERENWERK [DE]

Cited by  
AU757341B2; EP0790381A3; DE19546986A1; DE19546986C2; US6438795B1; US9388622B1; WO9812405A1; WO0055460A1; WO2012113612A1

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