

Title (en)

CHECK FOR A SLIDING DOOR, MOVABLE OUT OF A PLANE INTO A PARALLEL PLANE

Publication

EP 0297202 B1 19911121 (DE)

Application

EP 88101353 A 19880130

Priority

DE 3711170 A 19870402

Abstract (en)

[origin: US4802307A] Tilt-slide mechanism for moving a wing of a window or door to a parallel stop position and in this position for shifting it horizontally. The mechanism has lower and upper shift arms, wherein the lower arms 10 are in each case pivotally mounted (on the one hand) on the lower transverse wing beam and (on the other hand) on a traveling carriage. A releasable blocking device is provided for the lower shift arms when they are located in the parallel position. The blocking device consists of a two-armed hinged supporting lever and a guide pivot pin; its lower arm is shiftable along a guide slot on the wing. The guide pivot pin of the supporting lever combines with a detent recess to join the guide slot on the wing to the blocking device for fixing the lower shift arm relative to the wing in the parallel stop position. Further, the supporting lever has a pivot pin on its lever arm which interacts with a thrust bearing on the frame, whereby the blocking device can be released by the shift-and-stop movement of the wing from the blocking mode.

IPC 1-7

E05C 17/04; **E05D 15/10**

IPC 8 full level

E05C 17/04 (2006.01); **E05D 15/10** (2006.01)

CPC (source: EP US)

E05D 15/1015 (2013.01 - EP US); **E05D 2015/1031** (2013.01 - EP US); **E05F 11/145** (2013.01 - EP US); **E05Y 2800/682** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US); **E05Y 2900/148** (2013.01 - EP US)

Citation (examination)

US 2741807 A 19560417 - POWERS RICHARD E

Cited by

EP1959080B1; WO2017157611A1; FR2810068A1

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DOCDB simple family (publication)

US 4802307 A 19890207; AT E69635 T1 19911215; DE 3711170 C1 19880630; DE 3866294 D1 19920102; DK 141888 A 19881003; DK 141888 D0 19880316; DK 167368 B1 19931018; EP 0297202 A1 19890104; EP 0297202 B1 19911121; ES 2027326 T3 19920601; FI 84289 B 19910731; FI 84289 C 19911111; FI 881214 A0 19880315; FI 881214 A 19881003; NO 167877 B 19910909; NO 167877 C 19911218; NO 881362 D0 19880328; NO 881362 L 19881003

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US 17592388 A 19880331; AT 88101353 T 19880130; DE 3711170 A 19870402; DE 3866294 T 19880130; DK 141888 A 19880316; EP 88101353 A 19880130; ES 88101353 T 19880130; FI 881214 A 19880315; NO 881362 A 19880328