

Title (en)
SWING-SLIDE FITTING FOR WINDOWS, DOORS OR THE LIKE

Publication
EP 0027261 B2 19890712 (DE)

Application
EP 80106144 A 19801009

Priority
DE 2941109 A 19791010

Abstract (en)
[origin: EP0027261A1] 1. A swing-slide fitting for swing-slide windows and doors or the like including a tiltable and horizontally movable wing (3) which, in order to be opened, can first be moved perpendicular to its closing plane and can then be horizontally moved behind an adjacent wing or stationary part, including rollers (6) being arranged one behind the other at the bottom side of the wing in its sliding direction and being supported by a guide rail (4), including guide means provided at the upper edge of the wing, and including swivel arms (7, 19) which are movable perpendicular to the wing plane and are rotatably mounted on the vertical spars of the wing, as well as including control means engaging the swivel arms, which is provided with at least one guiding slot (9, 10 ; 20) arranged in the swivel arm and at least one corresponding control cam (11, 12 ; 21), and which rigidly connects the frame of the wing with the rollers when the wing is tilted, of which allows a relative limited lifting movement of the wing perpendicular to the window or door plane up to outside the sash frame of the adjacent stationary wing, characterized in that in the tilting position of the window or the like, which in its closing position is in one plane with the adjacent wing or stationary part, the unit comprising the swivel arms (7, 19) and a carriage (5) with rollers (6) and being articulated in trunnions (8) at the vertical spars (3) is swung on the guide rail (4), and in the opening position of the window the slidable wing is by means of its trunnions (8) swung beyond the guide rail (4) by overcoming a top dead centre position (OT-S) and the swivel arms (7, 19) provided with at least one guiding slot (9, 10 and 20 respectively) are swung outward until one of the control cams (11, 12 and 21 respectively) is in the fitting position at the end of its guiding slot, so that in such position the window is with its entire wing frame depth outside the sash frame (2) and can be slid behind the adjacent wing or stationary part, and that the bisecting line (17) of the swivel angle of the swivel arms (7, 19) between the tilting position (K) and the sliding position (S) of the wing (3, 24) substantially forms a vertical parallel with respect to the window plane so that the tilted or for moving purposes lifted wing is in an above-dead centre position.

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E05D 15/58

IPC 8 full level
E05D 15/58 (2006.01)

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Cited by
GB2152567A; EP1400653A1; FR2844825A1; CN113799884A; US11371274B2; CN107060548A; US11965368B2; GB2195134A; EP4174267A1; EP4174268A1

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