

Title (en)

CONTROL OF A CLOSING MOVEMENT OF A SLIDING SASH HAVING A SOFT-CLOSE FITTING

Title (de)

STEUERUNG EINER SCHLIESSBEWEGUNG EINES SCHIEBEFLUEGELS MIT EINEM SCHLIESSGEDAEMPFTEN BESCHLAG

Title (fr)

COMMANDE D'UN MOUVEMENT DE FERMETURE D'UN BATTANT COULISSANT POURVU D'UNE FERRURE À FERMETURE AMORTIE

Publication

EP 2663709 B1 20160622 (DE)

Application

EP 12702882 A 20120116

Priority

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Abstract (en)

[origin: WO2012095831A1] The invention relates to a soft-close fitting which has improved inward pivotal properties for a sliding sash or a tilt-and-slide sash for the controlled movement of the sash from a position in which the sash is open in a plane parallel to the frame into a closed position. Two movement elements (A, B) are longitudinally mobile, a longitudinal movement of the sash thus being possible. The two movement elements (A, B) are connected by a connecting rod (z) which maintains them at an invariable distance to each other and allows their simultaneous movement. A deployment arm (a, b; b') is pivotally hinged to each of the two movement elements (A, B). A parallel opening arrester (r, f') maintains a position of deployment of the arms (a, b) during a movement of the fitting by means of the movement elements (A, B). An auxiliary arm (h, h') is rotationally coupled (a2, b2') to one (a, b') of the deployment arms on one of its ends and is longitudinally guided (h1, 12; h1', 12') on the other end along the connecting rod (z). A damping element (10, 10') is coupled on one end to the slidable end of the auxiliary arm (h, h') and is arranged (w) on the other end on the connecting rod (z) so as to be not displaceable. The inward pivotal movement of a heavy sliding sash is thus easier to handle for the user and simpler (easy and at the same time reliable as well as smooth and uniform).

IPC 8 full level

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CPC (source: EP KR)

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