

Title (en)
A sliding door or window

Title (de)
Schiebetür oder -Fenster

Title (fr)
Porte ou fenêtre coulissante

Publication
EP 1970514 A2 20080917 (EN)

Application
EP 08152461 A 20080307

Priority
IT BO20070177 A 20070314

Abstract (en)
A sliding door or window (1) comprises: a fixed frame (2); a sash (3) that opens and closes by sliding horizontally relative to the fixed frame (2); a sliding unit or carriage (4) associated with the bottom horizontal member (3a) of the sash (3) and resting on a horizontal base track (5); a controlling member (6) located on the sash (3) and connected to operating means (7) which, when actuated by the controlling member element (6), lift the sash (3) from the carriage (4) and lower the sash (3) through drive means (8) located between the sash (3) and the carriage (4) and connected to the operating means (7); closing means (9) acting between the vertical member (3b) of the sash (3) and the vertical member (2b) of the fixed frame (2) which, in the closed configuration, abut against each other edge to edge; the operating means (7) comprise a first rod segment (7a) and a second rod segment (7b) slidable in both directions in respective grooves (3c) formed on the profile of the vertical member (3b) and the upper horizontal member (3d) of the sash (3), respectively, and connected to each other by first right-angle drive means (10); the two rod segments (7a, 7b) operate on respective closing means (9, 9a) in such a way as to enable multiple and simultaneous closure of the sash (3) by a single direct movement of the segments (7a, 7b) using the controlling member 6).

IPC 8 full level
E05C 9/06 (2006.01); **E05D 15/56** (2006.01); **E05F 7/08** (2006.01)

CPC (source: EP)
E05C 9/063 (2013.01); **E05D 15/565** (2013.01); **E05F 7/08** (2013.01); **E05B 65/087** (2013.01); **E05Y 2201/22** (2013.01); **E05Y 2800/00** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (applicant)
• EP 1312743 A2 20030521 - GRETSCH UNITAS GMBH [DE]
• EP 0845566 A2 19980603 - EXACTA FENSTER BAU GMBH [DE]
• US 4208838 A 19800624 - KLEINE EWALD [DE], et al

Cited by
DE102016212793A1; ITUA20161648A1; DE102016212793B4; EP4060149A1; US10597921B2; WO2017158448A1; US10731400B2; WO2018011234A1; DE102016212793C5

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1970514 A2 20080917; **EP 1970514 A3 20100512**; **EP 1970514 B1 20120613**; IT BO20070177 A1 20080915

DOCDB simple family (application)
EP 08152461 A 20080307; IT BO20070177 A 20070314