

Title (en)

A panel for building multi-panel sliding-folding doors

Title (de)

Platte zur Herstellung von, aus mehreren Platten bestehenden, Schiebefalttüren

Title (fr)

Panneaux pour la fabrication de portes pliantes et coulissantes à panneaux multiples

Publication

**EP 0735226 A2 19961002 (EN)**

Application

**EP 96102810 A 19960226**

Priority

IT VE950009 U 19950329

Abstract (en)

A panel for building multi-panel sliding-folding doors, said panel comprising an intermediate member (4) provided with an elongated male member (12) and an elongated female member (14) engaging a female member (14') and a male member (12') of two adjacent panels, respectively, characterized in that: said intermediate member (4) is formed by two metal sheets (6, 8) with a layer (10) of insulating material sandwiched therebetween, said male member (12) is provided with a curved portion (22) and with a pawl-shaped portion (26) having a curved outer wall (28), both portions being connected to a cylindrical sleeve (24), both said curved portion and wall (22, 28) having the shape of arcs of circle with their centers of curvature coincident and located on the axis of said cylindrical sleeve (24), said female member (14) is provided with a curved inwardly projection (38) the shape of which is substantially complementary to the outer surface of said sleeve (24) which rotatably rests on said projection (38) and is retained by a blocking means (46) applied to a flat portion (36) of said female member (14), on a tab substantially in contact with and rubbing against said curved portion (22) of the male member (12) when this latter (12) is rotated in respect of the former (14), said female member (14) being provided on the side opposite to that carrying the curved projection (38) with a curved reinforcing rib (48) in form of arc of circle whose center of curvature is located on the axis of said sleeve (24). <IMAGE>

IPC 1-7

**E06B 3/48**

IPC 8 full level

**E05D 15/24** (2006.01); **E06B 3/48** (2006.01); **E05D 1/04** (2006.01)

CPC (source: EP)

**E05D 15/242** (2013.01); **E06B 3/485** (2013.01); **E06B 3/486** (2013.01); **E05D 1/04** (2013.01); **E05Y 2800/41** (2013.01); **E05Y 2900/106** (2013.01)

Cited by

US11180915B2; EP0989275A3; CN103670091A; US11512484B2; US11512483B2; US11761220B2; US11053676B2; US11499308B2; US11821204B2; US12158000B2; EP0989275A2; US11674322B2; US12037801B2

Designated contracting state (EPC)

BE DE ES FR NL

DOCDB simple family (publication)

**EP 0735226 A2 19961002**; **EP 0735226 A3 19961023**; **EP 0735226 B1 19990825**; DE 69603892 D1 19990930; DE 69603892 T2 19991209; DE 735226 T1 19970430; ES 2092462 T1 19961201; ES 2092462 T3 19991216; IT 239182 Y1 20010219; IT VE950009 U1 19960929; IT VE950009 V0 19950329

DOCDB simple family (application)

**EP 96102810 A 19960226**; DE 69603892 T 19960226; DE 96102810 T 19960226; ES 96102810 T 19960226; IT VE950009 U 19950329