

Title (en)
STRUCTURE WITH SLIDING DOORS FOR WARDROBES

Title (de)
STRUKTUR MIT SCHIEBETÜREN FÜR KLEIDERSCHRÄNKE

Title (fr)
STRUCTURE AVEC PORTES COULISSANTES POUR ARMOIRES

Publication
EP 3680434 A1 20200715 (EN)

Application
EP 20151046 A 20200109

Priority
IT 201900000421 A 20190110

Abstract (en)
A structure with sliding doors for wardrobes, characterised in that it comprises a wardrobe body (2) having an upper part (3) and a lower part (4) which delimit a front opening that can be closed by sliding doors associated with said wardrobe body by means of an upper rail assembly (5) and a lower rail assembly (6); said upper rail assembly comprising a rail (7) which has parallel tracks (8), and on which carriages provided with paired rollers slide; each of said carriages being provided with an anti-derailing system consisting of a fin (14) formed in the lower part of said carriage and fitting directly into one of said tracks of the rail, being blocked by the weight of the door. The structure furthermore comprises a damping system, for carrying out a soft-closing of the door, comprising a damping device (16) mounted within said carriage and operated by activators (20) located at the ends of the rail and fixed to the side. The structure furthermore comprises lower sliding blocks that hold the doors from the bottom; the lower sliding blocks keep the door perfectly perpendicular and do not allow any widthways movement. The lower sliding blocks furthermore comprise an anti-release system for the door.

IPC 8 full level
E05D 15/06 (2006.01)

CPC (source: EP)
E05D 15/063 (2013.01); **E05D 15/0652** (2013.01); **E05D 15/0656** (2013.01); **E05D 15/08** (2013.01); **E05F 1/16** (2013.01); **E05F 5/003** (2013.01); **E05Y 2201/64** (2013.01); **E05Y 2201/708** (2013.01); **E05Y 2800/24** (2013.01); **E05Y 2900/20** (2013.01)

Citation (search report)
• [A] EP 1640537 A2 20060329 - TERNO SCORREVOLI S N C DI TERN [IT]
• [A] WO 2016005268 A1 20160114 - HETTICH HEINZE GMBH & CO KG [DE]

Cited by
CN113397316A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3680434 A1 20200715; **EP 3680434 B1 20210818**; IT 201900000421 A1 20200710

DOCDB simple family (application)
EP 20151046 A 20200109; IT 201900000421 A 20190110