

Title (en)

Closing device with sliding door leaf

Title (de)

Schiebevorrichtung und Schiebetürflügel

Title (fr)

Dispositif coulissant avec battant de porte coulissante

Publication

**EP 2871316 A1 20150513 (EN)**

Application

**EP 14192571 A 20141110**

Priority

IT BO20130616 A 20131111

Abstract (en)

A closing device with sliding door leaf comprises a wall frame (3) assigned to be fixed to a wall or furniture opening to achieve a door. The frame (3) has at least one side upright (4), an upper cross member (5) extending from the top of said upright (4) to an opposed upper end of a seat means (6) assigned to house a door leaf (7) in a door open condition (A), such upright (4), cross member (5) and seat means (6) form a portal and they lie on a geometrical plane that, in a device (1) operating condition, is vertical or almost vertical. Said device (1) also includes a set of trolleys (9) supporting the door leaf (7) and sliding along a guide (10) extended almost horizontally, along such cross member (5) connected to the guide (10). The door leaf (7) comprises a frame means (11) fixed to the trolleys (9) and comprises two parallel and facing panels (13) constituting the two door leaf (7) main faces and connected to the interposed frame means (11) by means of a plurality of respective connecting rod means (15). Each connecting rod means (15) has a first rotational pin mean (16), horizontal and parallel to the geometrical plane of the frame means (11) and fixed to the latter (11) and a second rotational pin means (18), parallel to the first pin means (16), fixed to the respective panel (13) and placed at a height higher than the first pin means (16).

IPC 8 full level

**E05D 15/10** (2006.01); **E05D 15/06** (2006.01); **E06B 3/46** (2006.01)

CPC (source: EP)

**E05D 15/06** (2013.01); **E05D 15/56** (2013.01); **E06B 3/4654** (2013.01); **E05D 2015/1028** (2013.01); **E05Y 2900/14** (2013.01)

Citation (applicant)

WO 2009139016 A2 20091119 - MIX SRL [IT], et al

Citation (search report)

[A] WO 2009139016 A2 20091119 - MIX SRL [IT], et al

Cited by

CN110230456A; IT202000002953A1; ES2662701A1; EP4368497A1; CN113544354A; JP2021110139A; WO2018065653A1; WO2022243091A1

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)

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