

Title (en)

Device for opening sliding doors for cold rooms

Title (de)

Vorrichtung zum Öffnen von Schiebetüren für Kühlräume

Title (fr)

Dispositif pour ouvrir des portes coulissantes pour chambres froides

Publication

**EP 2439366 B1 20151230 (EN)**

Application

**EP 11183358 A 20110929**

Priority

IT MI20101850 A 20101011

Abstract (en)

[origin: EP2439366A2] The device (10) enables a cold room sliding door to be released from its closed position, and comprises: a bush (12) incorporated into the thickness of the door panel (56) and fixed to the door panel (56) such that its axis is perpendicular to this latter (56); a central shaft (20) coaxially inserted into the bush (12) to be able both to rotate about the axis of this latter (12) and to move along said axis; means (26, 24; 27, 24) for guiding the movement and rotation of the central shaft (20), which enable it to rotate in the direction compatible with the door opening direction; elastic return means (28) to bring the central shaft (20) into a position withdrawn outwards from the door panel (56) when left free to move coaxially; external means (44) for rotating the central shaft (20); internal means (46) for rotating the central shaft (20) and provided with a striker (54) adapted to come into contact with a fixed point. The bush (12) has a length less than the thickness of all or at least part of the door panels (56) of such doors, a ring cap (14) being provided coupleable coaxially to the bush (12) such that the bush (12)-ring cap (14) assembly has a length adapted to the thickness of the specific door panel (56).

IPC 8 full level

**E05F 11/54** (2006.01); **E05B 1/00** (2006.01); **E05B 17/00** (2006.01); **E05B 63/04** (2006.01); **E05B 65/00** (2006.01); **F25D 23/02** (2006.01)

CPC (source: EP)

**E05B 1/003** (2013.01); **E05B 17/0033** (2013.01); **E05F 11/54** (2013.01); **F25D 23/021** (2013.01); **E05B 63/006** (2013.01); **E05B 63/042** (2013.01); **E05B 65/0053** (2013.01); **E05Y 2900/102** (2013.01)

Cited by

EP3660246A1; IT201800010701A1; US2022349210A1; US11421443B2; WO2020123643A1

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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