

Title (en)
Opening device for coplanar doors

Title (de)
Öffnungsvorrichtung für koplanare Türen

Title (fr)
Dispositif d'ouverture pour portes coplanaires

Publication
EP 2801686 A1 20141112 (EN)

Application
EP 14167578 A 20140508

Priority
IT MI20130759 A 20130509

Abstract (en)
An opening device (10) for coplanar doors of wardrobes and/or similar furnishing accessories suitable for being applied to a wardrobe (12), comprising a guide (18) attached above or below a frame (14) of the wardrobe (12), longitudinally extended and suitable for allowing the sliding of a mobile unit (19, 19') connected to a door (16) via a first lever (26, 26') and a second lever (28, 28') co-operating with mechanical means restrained to said guide (18) and mobile unit (19, 19') to define a jointed quadrilateral mechanism for the opening/closing of the door (16) with a rotary translation motion, said device comprising at least one carriage (54, 56) sliding with respect to a plate-guide (50, 52) secured to the door (16) and at least one hinge (60, 62) attached with one end to said at least one carriage (50, 56) and with the other end to a vertical shoulder (13) of the frame (14), with said at least one carriage and at least one hinge coordinated with the movement of said first and second lever (26, 26' and 28, 28') and provided with elements for locking/unlocking of the sliding movement of said door (16) parallel to the frame (14) defined by a locking element or hook (64) suitable for engaging with said at least one carriage (54, 56).

IPC 8 full level
E05D 15/10 (2006.01)

CPC (source: EP)
E05D 15/1005 (2013.01); **E05D 2015/1026** (2013.01); **E05Y 2900/20** (2013.01)

Citation (applicant)
• DE 202009004802 U1 20100923 - HETTICH HEINZE GMBH & CO KG [DE]
• CH 702441 A1 20110630 - EKU AG [CH]

Citation (search report)
• [YA] EP 1039088 A2 20000927 - GIOVANNETTI ANTONIO [IT]
• [YD] CH 702441 A1 20110630 - EKU AG [CH]
• [AD] DE 202009004802 U1 20100923 - HETTICH HEINZE GMBH & CO KG [DE]
• [A] EP 2584130 A1 20130424 - MIXAL S R L [IT]

Cited by
CN109488142A; DE102016101118A1; DE102017100550A1

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 2801686 A1 20141112; EP 2801686 B1 20170712; ES 2643021 T3 20171121; IT MI20130759 A1 20141110

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