

Title (en)

Controlled closure system for sliding furniture elements

Title (de)

Kontrolliertes Schließsystem für gleitende Möbelemente

Title (fr)

Système de fermeture contrôlée pour des éléments de mobilier coulissants

Publication

EP 2060720 A3 20120530 (EN)

Application

EP 08168879 A 20081112

Priority

IT MI20072168 A 20071114

Abstract (en)

[origin: EP2060720A2] A controlled closure system for a sliding element of a piece of furniture, comprises an elongated body (15) provided in which is a rectilinear groove (20) passing through the body and extended axially in the closure direction. An engagement element (16) slides along the groove (20) to move from a first idle position to a second closure position through the action of a spring (29). The engagement element (16) comprises abutment surfaces to delimit, between them, a seat (44) intended to accommodate a drawing projection (17) integral with the sliding element. Suitable sliding surfaces between the engagement element (16) and the groove cause the rotation of the engagement element (16) when it is in the idle position in such a manner to lower the front abutment surface (48) towards a groove and allow the passage of the drawing projection (17) towards the closure until it pushes against the rear abutment surface and rotate the engagement element to raise the front abutment surface and draw the projection (17) towards the closed position of the sliding element of a piece of furniture.

IPC 8 full level

E05F 5/02 (2006.01); **E05F 1/08** (2006.01); **E05F 5/00** (2006.01)

CPC (source: EP US)

E05F 5/003 (2013.01 - EP US); **E05F 1/16** (2013.01 - EP US); **E05Y 2201/412** (2013.01 - EP US); **E05Y 2600/45** (2013.01 - EP US); **E05Y 2800/24** (2013.01 - EP US); **E05Y 2900/20** (2013.01 - EP US)

Citation (search report)

- [IY] US 6523867 B1 20030225 - YEH SHUN-HSIANG [TW]
- [YA] EP 1700985 A1 20060913 - RIOJA CALVO MIGUEL ANGEL [ES]
- [A] DE 202004018189 U1 20050303 - VAUTH SAGEL HOLDING GMBH & CO [DE]
- [A] DE 20311795 U1 20041118 - ALFIT AG GOETZIS [AT]
- [AD] EP 0391221 A1 19901010 - BLUM GMBH JULIUS [AT]

Cited by

EP2354407A3; ES2396084R1; WO2012000120A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2060720 A2 20090520; EP 2060720 A3 20120530; CN 101433409 A 20090520; IT MI20072168 A1 20090515; US 2009121596 A1 20090514

DOCDB simple family (application)

EP 08168879 A 20081112; CN 200810173327 A 20081113; IT MI20072168 A 20071114; US 28994008 A 20081107