

Title (en)

Opening/Closing device of a moving part in relation to a furniture frame and used with movable drawer cabinets

Title (de)

Öffnungs-/Schliessvorrichtung eines bewegenden Teiles in Bezug auf ein Möbelgehäuse und Anwendung bei bewegbaren Schubladenschränken

Title (fr)

Dispositif d'ouverture-fermeture d'un élément mobile par rapport au bâti d'un meuble, et son application aux meubles déplaçables à tiroirs

Publication

**EP 0766939 A3 20010117 (FR)**

Application

**EP 96402105 A 19961002**

Priority

FR 9511611 A 19951003

Abstract (en)

[origin: EP0766939A2] The mechanism comprises a rectangular C-shaped catch (3) pivoted to the back (9) of a moving component (1), e.g. a sliding drawer in a piece of furniture, which can be moved on castors. A moulded plastics bracket with a cam (6) is fastened to the back panel (12) of the piece of furniture. The cam has upper and lower sloping surfaces (16,18) and a rear surface (17) with a recess to hold the catch. The catch has a spring strip (5) which presses against its upper and lower surfaces and tends to hold it in a neutral position. The back panel has a spring (7) which pushes the drawer open when the catch is released. When the drawer is closed the catch rides up the upper sloping surface (16) of the cam and engages with the recess in its rear surface, holding the drawer securely in place while the piece of furniture is used. A second pressure on the front of the drawer causes the catch to disengage from the cam and slide along its lower surface (18), allowing the drawer to open.

IPC 1-7

**A47B 88/04**

IPC 8 full level

**A47B 88/04** (2006.01)

CPC (source: EP)

**A47B 88/463** (2016.12)

Citation (search report)

- [DA] DE 3930271 A1 19910314 - HAPPICH GMBH GEBR [DE]
- [A] US 5314243 A 19940524 - MCDONALD SEAN C [US], et al
- [A] US 5435640 A 19950725 - HOLCOMB GREGORY J [US]

Cited by

DE202008013230U1; JP2009506847A; CN111634531A; AT503576B1; AT514142A3; DE202005014050U1; ITVI20090229A1; EP2266435A1; US8220882B2; AT514143A1; EP1785063A1; GB2366186A; GB2366186B; US7854485B2; US9648952B2; WO2008131962A1; WO2012084594A1; DE102010061483A1; DE202010013186U1; WO2012084595A1; US9750347B2; WO2005038177A1; WO2012130427A1; WO2007028177A1; WO2005012678A1; US8109582B2; US9797175B2; US7325844B2; WO2012084592A1; DE102010061482A1; US9642461B2; US9717334B2; EP2174571A1; DE202010013193U1; WO2012084593A1; DE102013100652A1; WO2014114514A1

Designated contracting state (EPC)

DE ES GB GR IT

DOCDB simple family (publication)

**EP 0766939 A2 19970409; EP 0766939 A3 20010117; EP 0766939 B1 20030416;** DE 69627443 D1 20030522; DE 69627443 T2 20031224; ES 2197940 T3 20040116; FR 2739268 A1 19970404; FR 2739268 B1 19971219

DOCDB simple family (application)

**EP 96402105 A 19961002;** DE 69627443 T 19961002; ES 96402105 T 19961002; FR 9511611 A 19951003