

Title (en)

SELF CLOSING APPARATUS MOUNTED TO A SLIDE

Title (de)

SELBSTSCHLIESSVORRICHTUNG AUF EINE SCHIENE BEFESTIGT

Title (fr)

DISPOSITIF DE FERMETURE AUTOMATIQUE MONTE SUR UNE GLISSIERE

Publication

EP 1809143 B1 20100922 (EN)

Application

EP 04808618 A 20041229

Priority

- KR 2004003489 W 20041229
- KR 20040080602 A 20041008
- KR 20040080628 A 20041008
- KR 20040036684 U 20041224

Abstract (en)

[origin: US2007001562A1] Disclosed is a self-closing apparatus for a slide, which automatically moves a drawer to a completely closed position by tensile force of springs when the user moves the drawer toward the closed position. The self-closing apparatus includes a pair of springs, a moving pin, a moving pin guide, a plate-shaped movable member, and a fixed member. The moving pin includes a support pin portion, a support plate, and a guide protrusion. The moving pin guide includes a moving pin guide slot including a pin-receiving inlet portion and a pin engaging portion. The movable member includes a plate portion provided with a hole, a sliding rod formed integrally with the plate portion, and spring support portions. The fixed member includes a support base including spring support portions, an extension bar including movable member sliding portions and a moving pin guide portion, and a head.

IPC 8 full level

A47B 88/04 (2006.01)

CPC (source: EP US)

A47B 88/467 (2017.01 - EP US)

Citation (examination)

US 6733097 B2 20040511 - KIM JAE [US], et al

Cited by

EP3523493B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006038748 A1 20060413; AT E481897 T1 20101015; DE 602004029289 D1 20101104; EP 1809143 A1 20070725; EP 1809143 A4 20081112; EP 1809143 B1 20100922; JP 2008515524 A 20080515; JP 4644257 B2 20110302; US 2007001562 A1 20070104

DOCDB simple family (application)

KR 2004003489 W 20041229; AT 04808618 T 20041229; DE 602004029289 T 20041229; EP 04808618 A 20041229; JP 2007535590 A 20041229; US 55340105 A 20051017