

Title (en)

Self-moving device for movable furniture parts

Title (de)

Selbstbewegliche Vorrichtung für bewegliche Möbelteile

Title (fr)

Dispositif automoteur pour pièces de mobilier mobiles

Publication

EP 2201863 B1 20150225 (EN)

Application

EP 09165988 A 20090721

Priority

EP 09165988 A 20090721

Abstract (en)

[origin: EP2201863A1] A self-moving device for movable furniture parts includes a movable part (18) which is movable with respect to a stationary part (16). The movable part (18) includes first and second connecting portions (34, 36). A closing mechanism (40) includes a slide base (44) which is movable in response to a force generated by a first elastic member (48). A locking member (50) connected to the slide base (44) is adapted to engage with the first connecting portion (34) so that the movable part (18) is urged by the first elastic member (48) to be self-closing with respect to the stationary part (16). An opening mechanism (120) includes a push member (124) urged by a second elastic member (126) to act on the second connecting portion (36). The movable part (18) may be pushed by an external force to disengage the locking member (50) from the first connecting portion (34) so that the movable part (18) is urged by the second elastic member (126) to be self-opening with respect to the stationary part (16).

IPC 8 full level

A47B 88/04 (2006.01)

CPC (source: EP)

A47B 88/47 (2016.12)

Cited by

DE102011122269A1; DE202011104526U1; CN104957892A; DE202010015820U1; US8182054B2; DE102011054441A1; DE102011122266A1; US9750347B2; US9648952B2; US9545152B2; US9629461B2; WO2024039306A1; EP2327334A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2201863 A1 20100630; EP 2201863 B1 20150225; ES 2534501 T3 20150423

DOCDB simple family (application)

EP 09165988 A 20090721; ES 09165988 T 20090721