

Title (en)

LIFTING SYSTEM FOR FURNITURE PIECE DOORS OSCILLATING AROUND A HORIZONTAL AXIS

Title (de)

HEBESYSTEM FÜR UM EINE HORIZONTALE ACHSE SCHWINGENDEN MÖBELSTÜCKTÜREN

Title (fr)

SYSTEME D'ELEVATION POUR PORTES DE MEUBLES OSCILLANT AUTOUR D'UN AXE HORIZONTAL

Publication

**EP 2558667 A1 20130220 (EN)**

Application

**EP 12702020 A 20120131**

Priority

- IT MI20110297 A 20110228
- EP 2012051516 W 20120131

Abstract (en)

[origin: WO2012116866A1] A lifting system for a furniture piece door oscillating around a horizontal axis comprises a support lever (9, 19) for the door (3, 7, 13) oscillating around an oscillation pin (10, 20) disposed on an inner side of a shoulder (12) of the furniture piece, a first elastic device (24) operatively connected to the support lever (9, 19) of the door (3, 7, 13) so as to provide a moment in the closing direction of the door (3, 7, 13) at the closed position of the door (3, 7, 13), and a primary moment in the opening direction of the door (3, 7, 13) starting from a partial opening position of the door (3, 7, 13), and a second elastic device operativamente connected to the shoulder (12) and the support lever (9, 19) so as to provide a force suitable for generating, relative to the oscillation pin (10, 20), an auxiliary moment in the opening direction of the door and/or respectively an opposing moment via friction against the support lever (9, 19) in the direction opposite to the movement of the door (3, 7, 13) along an arc of oscillation thereof around the maximum extension of the door (3, 7, 13) towards the furniture piece exterior.

IPC 8 full level

**E05F 1/10** (2006.01); **E05D 15/26** (2006.01)

CPC (source: EP KR)

**E05D 15/26** (2013.01 - KR); **E05D 15/262** (2013.01 - EP); **E05F 1/10** (2013.01 - KR); **E05F 1/1083** (2013.01 - EP); **E05F 1/1091** (2013.01 - EP); **A47B 2220/0069** (2013.01 - EP); **E05Y 2201/21** (2013.01 - EP); **E05Y 2201/25** (2013.01 - EP); **E05Y 2201/26** (2013.01 - EP); **E05Y 2201/266** (2013.01 - EP); **E05Y 2201/422** (2013.01 - EP); **E05Y 2201/48** (2013.01 - EP); **E05Y 2201/638** (2013.01 - EP); **E05Y 2600/10** (2013.01 - EP); **E05Y 2600/20** (2013.01 - EP); **E05Y 2600/456** (2013.01 - EP); **E05Y 2900/20** (2013.01 - EP)

Citation (search report)

See references of WO 2012116866A1

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

DOCDB simple family (publication)

**WO 2012116866 A1 20120907**; CN 103109029 A 20130515; EP 2558667 A1 20130220; IT MI20110297 A1 20120829; JP 2014510207 A 20140424; KR 20130137163 A 20131216; TW 201237252 A 20120916; TW I560358 B 20161201

DOCDB simple family (application)

**EP 2012051516 W 20120131**; CN 201280002924 A 20120131; EP 12702020 A 20120131; IT MI20110297 A 20110228; JP 2013555811 A 20120131; KR 20137007872 A 20120131; TW 101104052 A 20120208