

Title (en)
LOCKABLE EJECTION DEVICE WITH OVERLOAD MECHANISM

Title (de)
VERRIEGELBARE AUSSTOßVORRICHTUNG MIT ÜBERLASTMECHANISMUS

Title (fr)
DISPOSITIF D'ÉJECTION VERROUILLABLE À MÉCANISME DE SURCHARGE

Publication
EP 2661195 B1 20140709 (DE)

Application
EP 12720063 A 20120426

Priority
• AT 6142011 A 20110503
• AT 2012000114 W 20120426

Abstract (en)
[origin: WO2012149587A1] The invention relates to a lockable ejection device (1) for a movable furniture part (2), having a control pin (4) movable in a cardioid-shaped slotted guide track (3). The slotted guide track (3) comprises a closing section (3a), in which the control pin (4) moves as the movable furniture part (2) is closed, a locking section (3b) having a latching depression (5) in which the control pin (4) is held in the locked position (VS), and an opening section (3c) in which the control pin (4) is movable as the mobile furniture part is opened. An overload mechanism (6), by means of which the locked position (VS) can be released even upon movement of the movable furniture part (2) in the opening direction (OR), is arranged in the locking section (3b), wherein the overload mechanism (6) comprises a blocking element (7), to which force is applied and which temporarily blocks an overload path (W) for the control pin (4), wherein the blocking element (7) at least partially co-forms the latching depression (5) of the locking section (3b) and the overload path (W) that can be blocked by the blocking element (7) leads through a channel defined by a channel wall, through which channel the control pin (4) is able to travel in the event of overload. The spatial relation of the channel to the closing section (3c) and the opening section (3a) is fixed and the channel opens into the opening section (3a), wherein the blocking element (7) is formed separately from the channel wall and is movable in the channel.

IPC 8 full level
A47B 88/16 (2006.01)

CPC (source: EP US)
A47B 88/463 (2016.12 - EP US); **A47B 88/57** (2016.12 - EP US)

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 2012149587 A1 20121108; AT 511329 A4 20121115; AT 511329 B1 20121115; CN 103458735 A 20131218; CN 103458735 B 20150624; EP 2661195 A1 20131113; EP 2661195 B1 20140709; ES 2505790 T3 20141010; JP 2014516649 A 20140717; JP 5855741 B2 20160209; MY 161283 A 20170414; US 2014021841 A1 20140123; US 8807671 B2 20140819

DOCDB simple family (application)
AT 2012000114 W 20120426; AT 6142011 A 20110503; CN 201280015327 A 20120426; EP 12720063 A 20120426; ES 12720063 T 20120426; JP 2014508642 A 20120426; MY PI2013003394 A 20120426; US 201314039335 A 20130927