

Title (en)
LOCKABLE EJECTION DEVICE WITH OVERLOAD MECHANISM

Title (de)
VERRIEGELBARE AUSSTOßVORRICHTUNG MIT ÜBERLASTMECHANISMUS

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

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Application
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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.

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