

Title (en)

Apparatus for mechanically fixing plane pieces

Title (de)

Gerät zur mechanischen Befestigung von flächenhaften Teilen

Title (fr)

Appareil pour fixer mécaniquement des pieces planes

Publication

**EP 1754574 A1 20070221 (DE)**

Application

**EP 06017235 A 20060818**

Priority

DE 102005039262 A 20050819

Abstract (en)

The apparatus is particularly for the fixture of despatch and storage documents to packages. It comprises a basic body (1), to which all functional parts are fixed. The hand lever (2) is rotatably located on the basic body, with the bearing pin (6) forming the bearing axis. A pressure pin (7) is connected to the hand lever. When the hand lever is pressed downwards the pressure pin tensions a leaf spring (5), which at one end is fixed by a cylinder screw (12) and a spring plate (11) to the basic body. Its other end supports on a striker bolt (4) so that the spring force is transmitted to it. The striker bolt and the leaf spring are slotted and positively engage in one another. In the starting position, the location of the striker bolt is secured by a retainer, which comprises two securing balls (10) moved by a securing spring (13), arranged in a hole in the basic body. The striker bolt also has a hole, through which the securing balls can slide. By pressing the hand lever downwards, a releaser (8) is moved upwards by a drive pin (9).

IPC 8 full level

**B25C 5/16** (2006.01); **B25C 5/11** (2006.01)

CPC (source: EP)

**B25C 5/11** (2013.01); **B25C 5/1682** (2013.01)

Citation (applicant)

- EP 0821634 B1 19990707 - SENCO PRODUCTS [US]
- DE 1603718 A1 19701112 - BOSTITCH INC
- DE 861224 C 19521229 - LICENTIA GMBH
- DE 69504536 T2 19990506 - SENCO PRODUCTS [US]

Citation (search report)

- [A] EP 0281541 A1 19880907 - ISABERG AB [SE]
- [A] US 6179194 B1 20010130 - MORTON MACK R [US]
- [A] CH 255111 A 19480615 - COMORGA AG [CH]

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

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