Title (en)

A LEVER CLAMP MECHANISM

Title (de)

HEBELSPANNVORRICHTUNGSMECHANISMUS

Title (fr)

MÉCANISME DE PINCE À LEVIER

Publication

EP 2098379 A1 20090909 (EN)

Application

EP 07711050 A 20070306

Priority

- CN 2007000717 W 20070306
- CN 200610143213 A 20061031

Abstract (en)

A lever arch mechanism comprises: a base; two first ring members attached fixedly onto the base at one end, two first ring members being separated from and parallel with each other; a ring assembly attached movably onto the base, the ring assembly comprising two second ring members separated from and parallel with each other and a bending portion bent toward the center of the base, the middle of the bending portion projecting upwards to form a protrusion, two first ring members and two second ring members being disposed in such a way that they face to each other respectively so that the respective ring members facing to each other form a closed loop when the ring assembly moves; an elastic member for pushing the ring assembly away from the base by its elastic force; a projection extending upwards from the base; and a lever mechanism attached rotatably onto the projection for contacting the ring assembly, the lever mechanism being used to press the ring assembly onto the base or move the ring assembly away from the base for closing or opening the lever arch mechanism. A recess is formed on the bending portion at least at one side of the protrusion. According to the invention, the lever handle may rotate at a small angle and rise to a relatively low height when the lever arch mechanism is opened. Thus, the distal end of the handle does not interfere with pages, which facilitates adding or removing pages.

IPC 8 full level

B42F 13/22 (2006.01); B42F 3/04 (2006.01)

CPC (source: EP)

B42F 13/24 (2013.01)

Citation (search report)

See references of WO 2008052401A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2098379 A1 20090909; AR 062206 A1 20081022; AU 2007314018 A1 20080508; CN 101172435 A 20080507; CN 101172435 B 20100804; TW 200836939 A 20080916; WO 2008052401 A1 20080508

DOCDB simple family (application)

EP 07711050 A 20070306; AR P070103434 A 20070803; AU 2007314018 A 20070306; CN 200610143213 A 20061031; CN 2007000717 W 20070306; TW 96107509 A 20070305