

Title (en)

Positive lock ring binder mechanism

Title (de)

Ringordnermechanismus mit positiver Verriegelung

Title (fr)

Mécanisme de reliure positive à anneau de verrouillage

Publication

EP 1854644 A3 20071121 (EN)

Application

EP 07107068 A 20050127

Priority

- EP 05250415 A 20050127
- US 55323104 P 20040315
- US 87016804 A 20040617

Abstract (en)

[origin: EP1854643A2] A ring binder mechanism for retaining loose-leaf pages. The mechanism has ring members (63) that positively lock together to prevent unintentional openings. The mechanism includes a housing (11) that supports pivoting motion of hinge plates (59,61) for bringing the ring members to either an open position and a closed position. The mechanism also includes a control structure (15) that can pivot relative to the housing to controllably move the hinge plates to bring the ring members (63) together. In a closed and locked position of the mechanism, the control structure is releasably held behind protrusions of the hinge plates, thereby blocking the hinge plates pivoting motion and positively locking the ring members together.

IPC 8 full level

B42F 13/26 (2006.01); **B42F 13/00** (2006.01)

CPC (source: EP)

B42F 13/0066 (2013.01); **B42F 13/26** (2013.01)

Citation (search report)

- [X] EP 1316438 A1 20030604 - WORLD WIDE STATIONERY MFG CO [CN]
- [X] US 2552076 A 19510508 - WEDGE FRED D
- [X] WO 0119622 A1 20010322 - ACCO BRANDS INC [US]
- [PX] EP 1431065 A2 20040623 - WORLD WIDE STATIONERY MFG CO [CN]
- [A] EP 1323545 A2 20030702 - KOKUYO KK [JP], et al
- [A] WO 0181099 A1 20011101 - ESSELTE LEITZ GMBH & CO KG [DE], et al

Cited by

US9744795B2; US10137724B1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1854643 A2 20071114; EP 1854643 A3 20071128; EP 1854644 A2 20071114; EP 1854644 A3 20071121

DOCDB simple family (application)

EP 07107067 A 20050127; EP 07107068 A 20050127