

Title (en)  
RING MECHANISM FOR LOOSE-LEAF BINDERS

Publication  
**EP 0174548 B1 19901024 (DE)**

Application  
**EP 85110749 A 19850827**

Priority  
DE 3433124 A 19840908

Abstract (en)  
[origin: US4690580A] The ring binder mechanism comprises a resilient mechanism cover which can be connected to the spine of a binder or cover, two toggle plates or toggle rods which are articulately connected in opposite senses and which are resiliently supported in the mechanism cover, and ring portions which cooperate in pairs to form rings and which are carried by the toggle plates or toggle rods, consist of drawn or rolled metal wire of non-round cross-section and have ends which positively interengage locally in the closed position. At their free ends, the ring portions have plane end faces which bear snugly against one another in the closed position and one ring portion of each pair of ring portions having a pin which is cylindrical over at least its main length and which projects perpendicularly from the end face and the other ring portion having a bore which is cylindrical over at least its main length and is sunk perpendicularly in the end face.

IPC 1-7  
**B42F 13/22**

IPC 8 full level  
**B42F 13/22** (2006.01)

CPC (source: EP US)  
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