

Title (en)
A lever-arch type file mechanism

Title (de)
Ringordnermechanik

Title (fr)
Mécanisme de classeur à levier

Publication
EP 2002990 A1 20081217 (EN)

Application
EP 07252350 A 20070611

Priority
EP 07252350 A 20070611

Abstract (en)
A lever-arch type file mechanism (100, 200, 300) is disclosed as including a base (102), two rings secured to and extending upwardly from the base (102) for engaging holes in pieces of paper, each ring including a post (106) fixed to the base (102) and an arch (112) movable relative to the base (102) and the post (106), a lever (124) operable to pivot the arches (112) about an axis (T-T) and relative to the posts (106) between a ring-closed configuration and a ring-open configuration, an intervening part (114) joining the arches (112), and a resilient bent wire (132, 232, 332) abutting the intervening part (114), and during pivotal movement of the arches (112) relative to the posts (106), the resilient bent wire (132, 232, 332) is pivotable about an axis (W-W, M-M, P-P) parallel to the pivotal axis (T-T) of the arches (112).

IPC 8 full level
B42F 13/24 (2006.01)

CPC (source: EP)
B42F 13/24 (2013.01)

Citation (search report)

- [X] EP 0520190 A1 19921230 - LEITZ LOUIS KG [DE]
- [X] EP 1382464 A1 20040121 - WORLD WIDE STATIONERY MFG CO [CN]
- [A] US 2003044221 A1 20030306 - TO CHUN YUEN [CN], et al
- [A] US 2002164194 A1 20021107 - KO CHUNG NIN [HK]

Cited by
US9656507B2; US9895922B2

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

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2002990 A1 20081217; AU 2007234524 A1 20090108; CN 101323221 A 20081217; RU 2008101798 A 20090727; SG 148906 A1 20090129; TW 200848278 A 20081216; ZA 200709445 B 20081029

DOCDB simple family (application)
EP 07252350 A 20070611; AU 2007234524 A 20071116; CN 200710307860 A 20071229; RU 2008101798 A 20080116; SG 2007175383 A 20071105; TW 96140799 A 20071030; ZA 200709445 A 20071101