ABSTRACT

A Lever-Arch Type File Mechanism

A lever-arch type file mechanism (100, 200, 300) is disclosed as including a base (102, 202, 302), two rings secured to and extending upwardly from the base for engaging holes in pieces of paper, each ring including a post (104, 204, 304) fixed to the base and an arch (106, 206, 306) movable relative to the post, and a lever assembly (116, 216, 316) operable to move the arches relative to the posts between a ring-closed configuration in which the rings are closed and a ring-open configuration in which the rings are open, and a lever (118, 218, 318) of the lever assembly is pivotable downwardly from a first position (J) to a second position (K) to move the rings from the ring-closed configuration to the ring-open configuration, and subsequently pivotable downwardly from the second position to a third position (L) to move the rings from the ring-open configuration to the ring-closed configuration. The lever is also pivotable upwardly to move the rings from the ring-closed configuration to the ring-open configuration. The lever is pivotable downwardly to effect a pulling force on a first point on a link (144, 224) to move the link to rotate in a first direction, and the lever is pivotable upwardly to effect a pushing force on a second point on the link to move the link to rotate in the same first direction. The link is releasably engageable with another link (122, 222) which is carried by the lever.

[Fig. 6]

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