Title (en)
RING BINDER MECHANISM

Title (de)
MEHRZAHL VON RIEGELELEMENTEN IN EINER RINGORDNERMECHANIK

Title (fr)
MECANISME DE RELIURE A ANNEAUX

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Abstract (en)
[origin: WO2004065136A2] The invention relates to a ring binder mechanism for housing perforated documents. The ring binder mechanism comprises a housing (10) with spring elastically flexible housing edges (28). Two support rails (20) are arranged within the housing (10), which may be pivoted towards each other by the spring action of the housing edges (28) in the manner of a elbow joint in the region of the longitudinal edges thereof which face each other. At least two semi-circular rings (16) which complete a ring (14) in pairs, are rigidly connected to the support rails (20) at defined longitudinal separations from each other. At least two locking elements (32), operated by means of an operating body (18) and a tie bar (44), are further provided, which engage in a free space (34), formed between the support rails (20) and a housing wall (13), in the locked position, with locking of the pivoting movement of the support rails (20) and which release the pivoting path about the joint axis (22) in the opened state, whereby the locking elements (32) are pre-tensioned in the closing direction by the action of a closing spring (36). According to the invention, only one single tie bar (44) is provided which comprises several dogs (201), each of which is provided for one of the locking elements (32).

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