

Title (en)

Combination lock with a rotating knob, a cam disc and a lever

Title (de)

Zahlenkombinationsschloss mit einem Drehknopf, mit einer Nockenscheibe und mit einem Einfallhebel

Title (fr)

Serrure à combinaison avec bouton tournant, disque à cames et un levier

Publication

EP 0634543 B1 19960904 (DE)

Application

EP 94108672 A 19940607

Priority

DE 4323493 A 19930714

Abstract (en)

[origin: DE4323493C1] A number-combination lock (1) has a rotary knob (3), by means of which a cam disc (4) can be rotated in order to actuate a drop-in lever (5) articulated on a bolt (2) of the lock (1) and thereby to retract the bolt into the open position. This takes place only in the event of the correct setting of a secret opening code which likewise has to be set by means of the rotary knob (3) by multiple rotation, after each setting the rotary knob (3) being adjustable in the axial direction, in order to actuate a switch (11) on a printed circuit board (35), in each case according to the particular set value. An electric motor (12) is thereby activated, which moves a coupling projection (14) on a slide (13) into the region of a countercoupling (15) of the cam disc (4) when the correct secret opening code is entered. The slide (13) has a stationary slide projection (20) facing the cam disc (4) and the cam disc (4) has a counter-projection (21) which, when the cam disc (4) is rotated in reverse in order to close the bolt (2), comes into operative connection with the slide projection (20), so that, as a result of the rotation of the cam disc (4) during the closing of the lock (1), the slide (13) is positively displaced back into its initial position, if a return spring (22), provided if appropriate, fails. Thus, the lock, after it has been closed, is always ready for the next opening operation, even when a return spring (22) ... the ... Original abstract incomplete. <IMAGE>

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