

Title (en)
ELECTRIC LOCK

Title (de)
ELEKTRISCHES SCHLOSS

Title (fr)
SERRURE ÉLECTRIQUE

Publication
EP 3126596 B1 20190626 (EN)

Application
EP 14732425 A 20140402

Priority
IT 2014000092 W 20140402

Abstract (en)
[origin: WO2015151121A1] An electric lock (1) provided, on the inner side, with a first handle (2) and with a knob (3); on the outer side, the lock is provided with a second handle and with an assembly for reading a codified key; the second handle is associated with a respective spring latch, and means of mutual decoupling (4) are interposed between the handle and the spring latch; the electric lock (1) comprises a main body (5) provided with a seat (6) for the rotatable accommodation of a transverse shank (7) of the knob (3); the decoupling means (4) comprise a contoured disk (8) that is integral with the knob (3), an idle toothed wheel (9) provided with a lower profiled plate (10) that constitutes a cam, and a switch (11) facing the edge (12) of the plate (10); the contoured disk (8) comprises a toothing (13) that is distributed over a predefined angle and is removably coupled with respective recesses (14) in the toothed wheel (9); the rotation of the knob (3), by the user who is inside the room, thus causes the rotation of the disk (8) with consequent entrainment of the toothed wheel (9), limited to the predefined angle of the toothing (13), and orientation of the plate (10) that corresponds to its interference with the button (15) of the switch (11).

IPC 8 full level
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