

Title (en)  
MODULAR LOCK

Title (de)  
MODULARES SCHLOSS

Title (fr)  
VERROU MODULAIRE

Publication  
**EP 4158137 A1 20230405 (EN)**

Application  
**EP 20749970 A 20200528**

Priority  
IT 2020000043 W 20200528

Abstract (en)  
[origin: WO2021240557A1] A modular lock (1) comprising at least one control unit (2), which is controlled by a respective key (A) and is constituted by a stator (3) and by a rotor (4); the rotor (4) is provided with a slot (5) with shape and dimensions that are complementary to those of the key (A) and with at least one moveable pin (6), which can move within a substantially radial channel that also extends into the stator (3), the pin (6) being adapted to mutually couple/decouple stator (3) and rotor (4). The unit (2) comprises at least one bit (7), which is functionally associated with the rotor (4) and is adapted to mechanically actuate the sliding bolt controlled by the lock (1). The base of the at least one unit (2) comprises a longitudinal through hole (8) and the base of the bit (7) comprises a threaded longitudinal cylindrical channel (9): in the assembled configuration the hole (8) and the channel (9) are aligned and accommodate a coach screw (10) which is engaged on the threading of the channel (9) for the mutual clamping of the at least one unit (2) and of the bit (7). Between the at least one control unit (2) and the bit (7) at least one spacer element (11) is interposed, which is provided with a longitudinal through conduit (12) at its base and with an idle cylinder (13), which is aligned with the rotor (3) and provided with means for coupling thereto, for transferring the rotary motion of the rotor (3) to the moveable element of the bit (7) in order to mechanically actuate the sliding bolt controlled by the lock (1).

IPC 8 full level  
**E05B 9/04** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 2021240557A1

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