

Title (en)
A LOCK MECHANISM

Title (de)
SCHLOSSMECHANISMUS

Title (fr)
MECANISME DE SERRURE

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Abstract (en)
[origin: WO9528541A1] A lock mechanism includes a lock bolt mechanism (6), for instance a key actuated mechanism, having a lock bolt (20a) and a latch bolt mechanism (4) including a latch bolt (9) and actuated by a follower lever (17). Movement of the lock bolt (20a) between its terminal positions is generated and stepped-up, or geared, through the medium of a connecting rod (24) and a transmission lever (22). The mechanism also includes a locking lever (32) and a coupling lever (27) and a dogging lever (31) by means of which the follower lever (17) of the latch mechanism (4) can be actuated to retract the latch bolt (9), for instance by turning a key. The lock mechanism is constructed in accordance with a module system for adaptation to different backsets and centre distances, cylinder/knob. The lock mechanism is adapted to suit differing backsets by using one or more connecting rods (24) having one or more alternative points (24a) of pivotal attachment to the transmission arm. The remainder of the lock bolt mechanism remains essentially unchanged when making such adjustments, possibly with the exception of the coupling lever (27). With regard to the latch bolt mechanism, a press rod (10) having a length commensurate with a relevant backset is exchangeably mounted in position while the remainder of the latch mechanism (4) remains essentially unchanged. Quick-release levers (39) of different lengths commensurate with different cylinder-knob centre-to-centre distances can be exchangeably mounted on a pivot shaft (38) in the region of the edge of the lock housing distal from the latch and lock bolts.

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