

Title (en)
Mortise lock with latch bolt.

Title (de)
Einsteckschloss mit Fallenriegel.

Title (fr)
Serrure pour mortaise à clenche.

Publication
EP 0431369 B1 19940427 (DE)

Application
EP 90121941 A 19901116

Priority
DE 8914367 U 19891206

Abstract (en)
[origin: EP0431369A2] A mortice lock for doors or the like is equipped with a latch bolt which is under the effect of a latch spring (6) and which, with a door leaf opened, can be detained in an only partially extended intermediate position, projecting beyond the lock face plate (3) with only its run-on slope (4') located on the end face, by means of a blocking element (10'') which can be disengaged as a result of the impact on the striking plate of a release (10) projecting on the face plate and arranged in the region of the blocking surface (4<v>) of the latch bolt (4) and which thereby causes the latch bolt (4) to pass into its fully extended position. To provide a mortice lock of the abovementioned generic type which, whilst having an even simpler design of the blocking-element and release mechanism, possesses an arrangement of the release (10) and of the blocking element (10'') safe against unintended actuation, with the door open, and in which, at the same time, it also remains guaranteed that the release (10) frees the latch bolt for its fully extended movement only after the closed position of the door has reliably been reached, the release (10) is pivotably mounted in a protected manner in the latch bolt and is equipped with a blocking nose (10'') which at the same time forms the blocking element.

IPC 1-7
E05B 63/20

IPC 8 full level
E05B 63/20 (2006.01)

CPC (source: EP)
E05B 63/202 (2013.01)

Cited by
DE102016120657A1; WO2017153125A1; CN108884689A; EP0798436A3; EP1526236A3; EP2725173A3; NL2007662C2; EP0995866A3; EP0682167A1; DE9407664U1; ES2246116A1; CZ301530B6; AT513470A1; EP2716844A3; AT513470B1; EP2927400A1; AT515799A4; AT515799B1; EP0911470A2; US6389855B2; WO02066774A1; DE202011001842U1; DE102011089418A1; DE202013009210U1; EP2862991A2; DE202013009209U1; EP2862996A2; EP0995865A2; DE202015000107U1; DE102016120657B4; EP0995866A2; DE202015000108U1; WO2013062405A1; WO2016113044A1; EP2476827A1; DE202016001540U1; DE202015000106U1; DE202016001542U1; EP3216952A1; EP3619382B1

Designated contracting state (EPC)
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EP 90121941 A 19901116; AT 90121941 T 19901116; DE 59005523 T 19901116; DE 8914367 U 19891206; ES 90121941 T 19901116; PT 9608690 A 19901205