

Title (en)
Lock mechanism for doors and gates

Title (de)
Verriegelungsmechanik für Türen und Tore

Title (fr)
Mecanisme de verrouillage pour portes et portails

Publication
EP 0606922 B1 19970820 (DE)

Application
EP 94100521 A 19940114

Priority
DE 4300977 A 19930115

Abstract (en)
[origin: EP0606922A1] In a locking mechanism for doors and gates, especially garage doors for one or two passenger cars, with a lock (6), especially with a rotary handle, a lock bolt which is movable by the latter out of a closing position into an opening position and which can engage into the floor or into the door frame, and force-transmission elements which are located between the lock bolt and each closing bolt and which can move the closing bolts back out of the closing position into a release position, in the closing position of the lock bolt the closing bolts being capable of being forced back into their opening position counter to spring force, provision is made, in order to avoid the known advantages and disadvantages of push rods and pull ropes with deflecting rollers or Bowden pulls and to make production and assembly easier, for designing the connecting elements as largely rectilinear steel wires (9, 10, 11) with a thickness of approximately 1.5 to 2.5 mm and for guiding them between the lock bolt (13) and each closing bolt, but only so far that, when the closing bolts are forced back out of their closing position, the connecting elements can shift aside resiliently and exert a return force on the closing bolts.

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IPC 8 full level
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CPC (source: EP)
E05B 15/04 (2013.01); **E05B 53/003** (2013.01); **E05B 65/0021** (2013.01); **E05B 15/1635** (2013.01)

Cited by
ITBO20100495A1; GB2289715A; GB2289715B; US5732988A; US2016114889A1; US9499272B2; EP2878749A1; US9731827B2

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