

Title (en)
HINGE WITH LATCH LOCKING PART

Title (de)
SCHARNIER MIT EINEM VERRIEGELUNGSELEMENT

Title (fr)
CHARNIERE AVEC ÉLEMENT DE VERROUILLAGE

Publication
EP 2952664 A1 20151209 (EN)

Application
EP 15001673 A 20150604

Priority
SI 201400212 A 20140604

Abstract (en)
The subject of the invention is a locking part of a latch for the door hinge and provides technical solution of locking the door hinge in those hinges with small latches due to limited space. The subject of the invention may also be applied to other latches where there is no space limitation, since the technical solution provides not only compact design but also mechanical characteristics and last but not least, convenient price. The locking part of the latch features a simple design and is made of a single metal piece. Both arms of the lower part of the latch locking part are secured with an axle of the latch locking part, routed through a guide executed on the latch. The latch guide enables travelling of the axle of the locking part of the latch along the guide. On the upper part of the locking part of the latch a lock member of the locking part of the latch is configured, which enables form fitting of the latch with the locking part of the latch once the locking part is in the locked position. After inserting the latch into the supporting profile, the door is slightly opened, which enables the moving of the locking part of the latch to the locked position. By closing the door the axle of the locking part of the latch is autonomously moving along the executed guide of the latch until it reaches the appropriate position, where the lock member of the locking part of the latch sits into the contact surface of the latch, i.e. it snaps into the space between the latch and the supporting profile. The lock member of the locking part of the latch is designed to enable, once it is mounted, that the supporting profile is pushing it into the correspondingly shaped contact surface of the latch, thus the idle motion and vibration of the kitchen cabinet door is prevented.

IPC 8 full level
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Citation (applicant)
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Citation (search report)
• [YA] WO 02064925 A1 20020822 - GRONBACH FORSCHUNGS UND ENTWIC [AT], et al
• [Y] EP 2284344 A2 20110216 - NUOVA STAR SPA [IT]
• [A] WO 2005108724 A2 20051117 - KEYSTONE FRICTION HINGE CO [US], et al

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