

Title (en)

Double action pawl latch

Title (de)

Doppelwirkende Sperrklinke

Title (fr)

Cliquet de verrouillage à action double

Publication

EP 0905340 A1 19990331 (EN)

Application

EP 97307463 A 19970924

Priority

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Abstract (en)

The invention relates to a double action pawl latch having a tubular latch body 10,20 for attachment to a door, panel or the like, and having an enlarged head 11 for abutment against a front surface of the door or panel. An actuating spindle 50 and a pawl operating spindle 60 are axially and rotationally disposed in the latch body and are movable relative to one another under the action of a helical cam connection between the actuating spindle and the pawl operating spindle. The pawl operating spindle 60 has a pawl 40 attached thereto at its rear end and the tubular latch body and the pawl having an engagement which allows rotation of the pawl from a first angular position in a first axial position of the pawl and axial movement of the pawl to a second axial position in a second angular position of the pawl. The enlarged head 11 of the tubular latch body has an aperture 100 for insertion of a radially profiled key 200, the aperture having a plurality of radial key slots 101 extending therefrom. These allow insertion of corresponding radial protrusions 202 on the key and thus insertion of the key. The actuating spindle 50 has a plurality of part-annular abutments 55 at a front portion 52, defining a plurality of radial key slots 56 corresponding in position with those of the latch body head for engagement by the key protrusions 202 to allow operation of the latch. The radial key slots 101,56 of the latch body head 11 and the actuating spindle 50 are angularly offset from one another when the latch is in the latched position so that on insertion through the head the key protrusions 202 engage the front surfaces 55' of the abutments 55 of the actuating spindle 50 and thus cannot be inserted directly into the key slots of the actuating spindle. The latch body head 11 has a part-annular abutment 102 extending from its rear to (a) allow partial rotation of the key 200 after insertion of the key protrusions 202 through the key slots 101 of the head into alignment with the key slots 56 of the actuating spindle to enable insertion of the protrusions into the actuating spindle key slots, and (b) prevent withdrawal of the key protrusions 202 and hence the key 200 during rotation of the key to operate the actuating spindle 50 to unlatch the latch. <IMAGE>

IPC 1-7

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CPC (source: EP)

E05B 35/008 (2013.01); **E05C 3/042** (2013.01); **E05C 5/04** (2013.01); **E05B 17/0025** (2013.01)

Citation (applicant)

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