

Title (en)
A LOCK FOR A HINGED CLOSURE MEMBER

Title (de)
SCHLOSS FÜR EIN SCHARNIERVERSCHLUSSELEMENT

Title (fr)
SERRURE POUR UN ÉLÉMENT DE FERMETURE ARTICULÉ

Publication
EP 4191007 A1 20230607 (EN)

Application
EP 22211475 A 20221205

Priority
EP 21212439 A 20211206

Abstract (en)
A lock (1) comprising: a frame (4); a dead bolt (3) slideably mounted on the frame; a dead bolt lever (37) pivotally mounted on the frame; a key-actuated cylinder (10); and a locking mechanism configured to lock the dead bolt. The locking mechanism having a predefined leeway and comprising: a spring-biased retaining member (25) comprising a slot having a catch; and a projecting element (27) on the dead bolt which extends into said slot. The catch is delimited by four edges with an inclined edge having an inclination of at least 60° and with an edge having a length of at most 1,5 times a diameter of a minimal bounding circle of the projecting element. The dead bolt lever has a cut-out portion allowing a rotary driving bit of the cylinder to pass an engaging portion for every dead bolt lever position within the predefined leeway. These measures reduce dead bolt leeway.

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)
• EP 1118559 A1 20010725 - CHRONOPOST SA [FR]
• EP 2915939 A1 20150909 - LOCINOX [BE]
• EP 3239440 A1 20171101 - LOCINOX [BE]
• EP 1118739 A1 20010725 - TALPE JOSEPH JR [BE]

Citation (search report)
• [XD] EP 2915939 A1 20150909 - LOCINOX [BE]
• [A] EP 0786573 A2 19970730 - KOVINOPLASTIKA LOZ IND KOVINSK [SI]
• [A] US 5765410 A 19980616 - KWAN KA-CHIN [GB], et al
• [A] EP 1118739 B1 20050406 - TALPE JOSEPH JR [BE]

Designated contracting state (EPC)
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