

Title (en)
Safety lock

Title (de)
Sicherheitsschloss

Title (fr)
Serrure de sécurité

Publication
EP 2085544 A1 20090805 (EN)

Application
EP 08425057 A 20080131

Priority
EP 08425057 A 20080131

Abstract (en)
A safety lock comprising: - a casing (12); - at least one bolt (32), which is able to move with respect to the casing (12) between an opening position and at least one closing position; and - an actuation plate (24), which is able to move within the casing (12) in a rectilinear direction of actuation (26) and is connected to said bolt (32) for moving the bolt from the opening position to a closing position and vice versa. The bolt (32) is substantially hook-shaped and is connected to the actuation plate (24) by means of a pin-and-slit transmission device (30, 40), which allows a movement of the bolt (32) with respect to the actuation plate (24) in a direction orthogonal to said direction of actuation (26). The bolt (32) is connected to the casing (12) by means of a pin-and-slit guide device (40, 42, 46a, 46b) that guides the bolt (32) along a path of closing or of opening, which comprises at least one rectilinear stretch parallel to the direction of actuation (26) and at least one stretch inclined with respect to the direction of actuation (26).

IPC 8 full level
E05B 63/12 (2006.01)

CPC (source: EP)
E05B 63/126 (2013.01)

Citation (applicant)
IT 1319951 B1 20031112 - TESIO SRL [IT]

Citation (search report)
• [X] GB 2217770 A 19891101 - YU TSENG TSAI
• [X] US 5009089 A 19910423 - LIN EMILY M Y [TW]
• [A] GB 630379 A 19491012 - ERNEST CYRIL HANSOR

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2085544 A1 20090805

DOCDB simple family (application)
EP 08425057 A 20080131