Title (en)

Automatic security lock with hook-shape latch reinforcement pins

Title (de)

Hakenriegelverstärkungsstifte für automatisches Sicherheitsschloss

Title (fr)

Tiges de renfort pour pêne à crochet de serrure de sécurité automatique

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1862617A1] The present invention proposes a trigger mechanism high security lock comprising a two-direction sliding bolt (12), a trigger latch (15) and a set of separate hook-shaped latches (13,14) in the form of curvilinear projections operating jointly in the manner to interlock with suitable latch slots on the door frame. Automatic locking is arranged by a triggering element allowing an extension part thereof to disengage from a slot on a carrier plate, this latter being operated by the door handle to oversee unlocking of the hook-shaped latches. According to the present invention, said curvilinear latches are provided with a plurality of pins (30) vertically projecting from the lateral surface thereof in the manner to face either of the case side sheets. In case of an unauthorized attempt to release the lock by bending the lock panel on the door frame outwardly so as to cause the latches to move in the direction of the frame, the vertically projecting pins within the inside of the case will abut against the lock panel on the lock side and prevent further movement of said latches.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN111183265A; CN101881102A; CN106468115A; CN105220964A; CN103382788A; DE102018203293A1; DE102018203293B4; EP3372757A1; EP3832055A1

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DOCDB simple family (publication)

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