

Title (en)
Security frame with sliding armour-plate on the shutter for windows, doors or the like

Title (de)
Sicherheitsrahmen mit einer auf einem Fensterladen gleitenden Panzerplatte

Title (fr)
Cadre de sécurité avec une plaque de blindage coulissante sur un volet

Publication
EP 1571285 A3 20080716 (EN)

Application
EP 05001317 A 20050124

Priority
IT MI20040083 U 20040303

Abstract (en)
[origin: EP1571285A2] This invention proposes a casing in which at least one side of a shutter (7) is fitted with a support frame (3) for a sliding armour plate (1) made in such a way as to move from a close position - where it remains contained into the said frame - to an open position where, with the shutters (7) open, it comes out from the said frame (3), and finally closes the window/door opening. The said armour plate (1) can consist, for example, of a metal grate or armour-plating bars welded to an armour-plating case in which at least one - either upper or lower - edge is slide-mounted on the support frame by means of telescopic slides, e.g. ball-bearing slide type. Ultimately, according to this invention, a frame (3) in which an armour plate (1) slides is applied to or fitted into the door/window frame shutters; the said case, while the shutters are open, can come out and close the window/door opening or remain held into the said case and hidden by the shutter itself. In compliance with a preferred embodiment of the invention, this support frame (3) can be fitted with an additional panel of the shutter, in such a way as to create a double-sided shutter, inside of which both the case and the armour plate (1) are hidden, if the said armour plate, while the shutters are open, is not pulled out of the case.

IPC 8 full level
E06B 9/04 (2006.01)

CPC (source: EP)
E06B 9/04 (2013.01)

Citation (search report)
• [DX] EP 0971094 A2 20000112 - TESTA ROMEO [IT]
• [A] DE 19531040 A1 19970227 - DAMMERT ANTON [DE]
• [A] DE 9218073 U1 19940601 - ROTHBERG HEINZ [DE]

Cited by
CN109403827A; IT202000015418A1; FR3096391A1; FR2929979A1; CN105715187A; ITNA20080058A1; CN111691796A; WO2021260503A1

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