

Title (en)
Secured hatch

Title (de)
Gesicherte Klappe

Title (fr)
Trappe sécurisée

Publication
EP 2014857 B1 20110323 (FR)

Application
EP 08004329 A 20041005

Priority
• EP 04292361 A 20041005
• EP 08004329 A 20041005

Abstract (en)
[origin: EP1645834A1] The door has a door (2) rotating with respect to a chassis (1) around an axis (3), and including hinges (8-10) integrated to it. End bearings are integrated to the chassis. One damping cushion is inserted along the axis between each bearing and hinge, and is made of elastomer or metallic foam. The cushion is deformable in plastic or elastic manner. Intermediary bearings stop translation of the cushion along the axis. An independent claim is also included for application of a protected trap door for the protection of an operator of an armored vehicle against impact caused by the movements in site or in the field of turret or weapon.

IPC 8 full level
E05F 5/02 (2006.01); **F41H 5/22** (2006.01)

CPC (source: EP)
E05F 5/022 (2013.01); **F41H 5/22** (2013.01); **E05D 11/00** (2013.01); **E05Y 2201/212** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2900/504** (2013.01); **E05Y 2900/546** (2013.01)

Designated contracting state (EPC)
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