

Title (en)
A BLAST PROTECTED UNIT AND SYSTEM

Title (de)
EXPLOSIONSGESCHÜTZTE EINHEIT UND SYSTEM

Title (fr)
UNITÉ ET SYSTÈME ANTI-DÉFLAGRATION

Publication
EP 2536900 A2 20121226 (EN)

Application
EP 11705650 A 20110210

Priority
• US 30457910 P 20100215
• US 30458610 P 20100215
• GB 2011000177 W 20110210

Abstract (en)
[origin: WO2011098764A2] A blast protected unit (100) for blast protection comprises: a protecting panel (14) having a first side (7) and a second side (8); a sub-frame (16) adapted to circumscribe said protecting panel (14); and a plurality of energy absorption units (30). The absorption units (30) are adapted to connect the sub-frame (16) to the protecting panel (14). Each of the energy absorption units (30) is connectable to the protecting panel (14) and the sub-frame (16), such that the aforementioned blast protected unit (100) is formed. The energy absorption units (30) are configured to deform under a blast force applied against the first side (7) of the protecting panel (14), allowing the protecting panel (14) to move away from and remain in proximity to the sub-frame (16). The blast protected unit (100) is adapted to be connected to a building structure, such that a protection from blasts is provided to the internal portion of said building structure, the internal portion being located at the second side (8) of the protecting panel (14).

IPC 8 full level
E04H 9/10 (2006.01)

CPC (source: EP KR US)
E04B 1/34321 (2013.01 - EP US); **E04H 9/04** (2013.01 - KR); **E04H 9/06** (2013.01 - EP US); **E04H 9/10** (2013.01 - EP US); **F42D 5/045** (2013.01 - EP US); **E04B 1/34317** (2023.08 - EP US)

Citation (search report)
See references of WO 2011098764A2

Citation (examination)
• US 6333085 B1 20011225 - EMEK MORDECHAY [IL]
• US 2258973 A 19411014 - CROSS GEORGE C, et al

Designated contracting state (EPC)
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