

Title (en)

A ballistic and/or blast protection material and a structure protected by such a material

Title (de)

Beschusssicheres und/oder stosswellensicheres Material sowie von diesem Material geschütztes Bauwerk

Title (fr)

Matériau anti-ballistique et/ou anti-souffle ainsi qu'une structure protégée par un tel matériau

Publication

EP 2133650 A2 20091216 (EN)

Application

EP 09007614 A 20090609

Priority

- EP 08010542 A 20080610
- EP 09007614 A 20090609

Abstract (en)

A ballistic and/or blast protection material comprises at least first and second ballistic composite panels (12a,12b,12a',12b') and disposed between each pair of adjacent ballistic composite panels a respective core of a blast damping material (14,14'). The ballistic composite panels preferably each consist of filaments of glass fiber, aramide, polyethylene or another high strength fiber said filaments either being disposed generally parallel to one another in layers in a matrix of a thermoplastic or a thermosetting plastic with the filaments of one layer crossing with the filaments in an adjacent layer, or with the filaments forming a woven fabric and a plurality of layers of said fabric being combined in a matrix of thermoplastic or thermosetting plastic. Said ballistic panels (12a,12a',12b,12b') can be bolted together by bolts (20,22).

IPC 8 full level

F41H 5/04 (2006.01); **F41H 5/013** (2006.01)

CPC (source: EP)

F41H 5/013 (2013.01); **F41H 5/0471** (2013.01)

Cited by

CN113108661A; KR20150132830A; US9879947B2; DE102015119351B4; US9976306B1; WO2014163727A3; EP2338768B1

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2133650 A2 20091216; EP 2133650 A3 20130220

DOCDB simple family (application)

EP 09007614 A 20090609