

Title (en)  
Ballistic armor

Title (de)  
Ballistischer Schutz

Title (fr)  
Blindage balistique

Publication  
**EP 2103895 A3 20091202 (EN)**

Application  
**EP 09155487 A 20090318**

Priority  
IL 19036008 A 20080320

Abstract (en)  
[origin: EP2103895A2] A composite armor plate (10) for ballistic protection of a body against a threat, is provided, the plate comprising an inner, main armor layer (12) of high density pellets (18) in a binder matrix (26), and a front layer (11) adapted for facing the threat, each pellet having a domed front face (22) and a body portion (20) merging with the front face (22) along a perimeter line. The domed front face (22) has a juncture point (112) and is formed of sectors (108), each defined between two side edges (116) have the form of arcs and a portion of the perimeter line (106) extending between two spaced-apart points lying thereon, and constituting the sector's base edge. Each side edge spans between the juncture point and one of the spaced apart points. The shape of each sector (108) is such that the intersection of the sector (108) and a first plane (P1) crossing said two side edges, has a form of a straight line extending therebetween, and the intersection of the sector (108) and a second plane (P2) crossing said base edge, has a form of a convexly curved line. The front layer (11) is made of a material other than the binder matrix and is bonded to at least the majority of the pellets (18) at the domed front faces (22) thereof.

IPC 8 full level  
**F41H 5/04** (2006.01)

CPC (source: EP)  
**F41H 5/0492** (2013.01)

Citation (search report)  
• [XP] EP 1980813 A2 20081015 - PLASAN SASA LTD [IL]  
• [Y] EP 1734332 A2 20061220 - PLASAN SASA LTD [IL]  
• [Y] US 2004083880 A1 20040506 - COHEN MICHAEL [IL]  
• [A] EP 1705453 A1 20060927 - KRAUSS MAFFEI WEGMANN GMBH & C [DE]  
• [A] US 2003167910 A1 20030911 - STRAIT S JARED [US]

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)  
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