

Title (en)
Flat compound armour element

Title (de)
Flächiges Verbundpanzerungselement

Title (fr)
Élément de blindage composite plat

Publication
EP 2053339 A3 20120905 (DE)

Application
EP 08018139 A 20081016

Priority
DE 102007050658 A 20071024

Abstract (en)
[origin: EP2053339A2] The element (10) has active bodies (11a-11c) embedded in a matrix substance (12). Continuous cut-outs (T1, T3) extend over a total thickness (d) of the element. Cumulative masses of the bodies found in the cut-outs are altered compared to a reference cut-out (T2) of same dimension in a direction of length and breadth so that altered protective effect is produced in the continuous cut-outs. The reference-cut-out extends over the total thickness. A number of the bodies in the continuous cut-outs is altered. Filler made of solid matter e.g. polyurethane foam, is added to the substance. Independent claims are also included for the following: (1) a vehicle comprising a surface to be protected (2) a method for manufacturing a flat composite armor element.

IPC 8 full level
F41H 5/04 (2006.01)

CPC (source: EP)
F41H 5/04 (2013.01); **F41H 5/0428** (2013.01); **F41H 5/0457** (2013.01); **F41H 5/0492** (2013.01)

Citation (search report)

- [A] WO 9950612 A1 19991007 - MOFET ETZION [IL], et al
- [A] WO 2006103431 A1 20061005 - SECR DEFENCE [GB], et al
- [AD] DE 102005050981 A1 20070426 - KRAUSS MAFFEI WEGMANN GMBH & C [DE]

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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DE 102007050658 B4 20100211; ES 2409786 T3 20130627

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