



(43) International Publication Date  
13 November 2014 (13.11.2014)

(51) International Patent Classification:  
*F41H 5/04* (2006.01)

(21) International Application Number:  
PCT/IB2014/061115

(22) International Filing Date:  
30 April 2014 (30.04.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
226171 5 May 2013 (05.05.2013) IL

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(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,  
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,  
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,

HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,  
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,  
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,  
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,  
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,  
ZW.

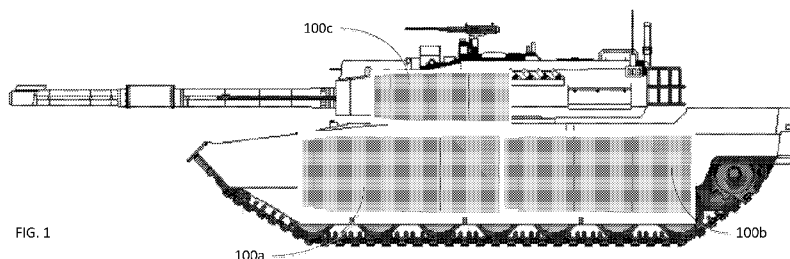
(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,  
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,  
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,  
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,  
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,  
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(88) Date of publication of the international search report:  
10 March 2016

(54) Title: ARMOR



(57) Abstract: Disclosed is a ballistic armor and an armor system. According to embodiments, the armor includes an outer armor plate and an inner active layer. The outer armor plate is adapted to resist penetration by one or more penetrative elements. The inner active layer is adapted to laterally deflect penetrating elements.



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2014/061115

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - F41H 5/04 (2015.01)

CPC - F41H 5/04 (2015.11)

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - F41H 5/007, 5/02, 5/04, 7/02, 11/00 (2015.01)

CPC - F41H 5/007, 5/02, 5/04, 7/02, 11/00 (2015.11)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC - 89/36.02, 36.08, 36.17 (keyword delimited)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase, Google Patents, Google, YouTube.

Search terms used: ballistic, outer plate, active inner layer, rigid, anti ballistic, silicone, layers, explosive charge, actuator, gases, flexible, liquid, agitate, shield, shock absorbing

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|------------------------------------------------------------------------------------|-----------------------|
| X         | US 6,012,162 A (BULLAT) 11 January 2000 (11.01.2000) entire document               | 1-3, 5, 6             |
| Y         |                                                                                    | 7, 8                  |
| Y         | US 2006/0162539 A1 (FUCKE et al) 27 July 2006 (27.07.2006) entire document         | 7, 8                  |
| A         | US 7,966,923 B2 (DANIELS et al) 28 June 2011 (28.06.2011) entire document          | 1-10                  |
| A         | US 6,997,218 B1 (GARCIA et al) 14 February 2006 (14.02.2006) entire document       | 1-10                  |
| A         | WO 2012/085695 A1 (CSIR) 28 June 2012 (28.06.2012) entire document                 | 1-10                  |

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

11 November 2015

Date of mailing of the international search report

14 DEC 2015

Name and mailing address of the ISA/

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents

P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-8300

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PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774