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## (54) An active protection system

(57) An active protection system (120) for protecting a platform (102) from an incoming threat (105). The system comprises: a detection system (150, 160) configured for providing an output data associated with the incoming threat (105); a first countermeasure arrangement (120) mountable on the platform (102) and configured to intercept said incoming threat at a far interception point (114); a second countermeasure arrangement (130) mountable on the platform (102) and configured to intercept the in-

coming threat (105) at a near interception point (115); and a controlling unit (140), in communication with the detection system (150, 160) and with the first and second countermeasure arrangements (120, 130), configured for receiving said output data and selecting a preferred countermeasure arrangement from said first and second countermeasure arrangements (120, 130), with which the incoming threat (105) is to be intercepted.

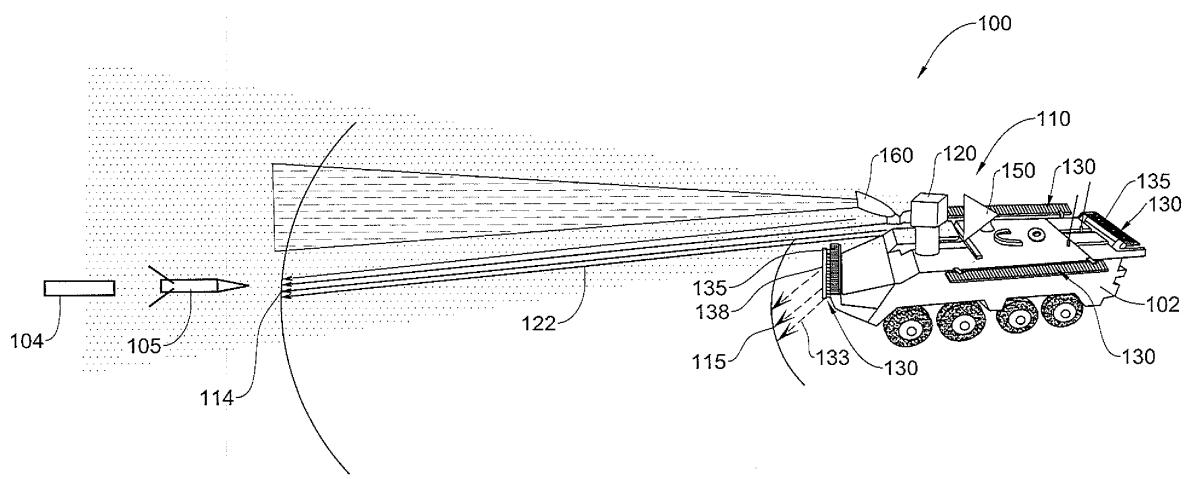


Fig. 2



## EUROPEAN SEARCH REPORT

Application Number

EP 13 18 9035

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
10 X	US 2012/217301 A1 (NAMEY MARK A [US] ET AL) 30 August 2012 (2012-08-30) * claims 8,9,16,17; figures 1-2 * * paragraphs [0009] - [0012] * * paragraphs [0015] - [0019] * -----	1-3,5, 9-11 4,6-8	INV. F41F1/08 F41H11/02 F41H5/007
15 Y	US 2011/127328 A1 (WARREN MICHAEL C [US]) 2 June 2011 (2011-06-02) * abstract; figures 1,3,4 * * paragraphs [0008], [0009] * * paragraphs [0024] - [0026] * * paragraphs [0034], [0039], [0040] * * paragraphs [0059], [0060] * -----	12-15 4	
20 Y	EP 2 338 022 A1 (RAFAEL ADVANCED DEFENSE SYS [IL]) 29 June 2011 (2011-06-29) * claim 1; figures 1, 2, 5 * * paragraph [0020] * * paragraphs [0024] - [0026] * -----	6-8	
25 X	VALPOLINI P: "Active Armour Protection", ARMADA INTERNATIONAL, ARMADA INTERNATIONAL, ZURICH, CH, vol. 34, no. 3, 1 June 2010 (2010-06-01), pages 8-14, XP001564908, ISSN: 0252-9793 * Description of "SCUDO"; page 10 * -----	1-3,5, 9-11	TECHNICAL FIELDS SEARCHED (IPC)
30 A,D	US 7 684 020 B1 (MARTI JED [US] ET AL) 23 March 2010 (2010-03-23) * claim 1; figure 13 * * column 5, lines 34-48 * -----	1-15	F41F F41H
35	The present search report has been drawn up for all claims		
40	Place of search The Hague		
45	Date of completion of the search 29 August 2018		
50 3	Examiner Schwingel, Dirk		
55	<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... &amp; : member of the same patent family, corresponding document</p>		



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## CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

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Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

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No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

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## LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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see sheet B

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All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

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As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

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Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

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None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

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The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION**  
**SHEET B**

Application Number  
EP 13 18 9035

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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**1. claims: 1-11**

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An active protection system comprising a detection system, a first countermeasure arrangement, a second countermeasure arrangement, a controlling unit configured for selecting a preferred countermeasure arrangement; and a corresponding method for actively protecting a platform.

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**2. claims: 12-15**

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A system for detecting an incoming threat, comprising a radio frequency system configured for providing an output data associated with an incoming threat, a radar system configured for providing an output data associated with an incoming threat, being used for its tracking after the detection of its launch, a controlling unit; and a corresponding method for detecting an incoming threat.

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 13 18 9035

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-08-2018

10	Patent document cited in search report	Publication date	Patent family member(s)		Publication date
	US 2012217301 A1	30-08-2012	NONE		
15	US 2011127328 A1	02-06-2011	NONE		
20	EP 2338022 A1	29-06-2011	BR CA DK EP ES IL US WO	PI0918605 A2 2737024 A1 2338022 T3 2338022 A1 2544762 T3 194090 A 2011162518 A1 2010029530 A1	01-12-2015 18-03-2010 31-08-2015 29-06-2011 03-09-2015 30-09-2013 07-07-2011 18-03-2010
25	US 7684020 B1	23-03-2010	NONE		
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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82