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Our Ref.: SCS-124

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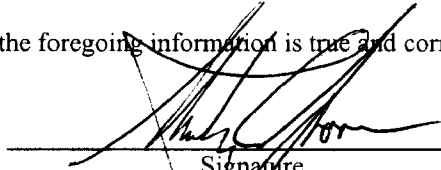
<p>1. Name of conveying party(ies):</p> <p>1 Abdul-Salam KADDOUR 5</p> <p>2 John COOK 6</p> <p>3 7</p> <p>4 8</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:</p> <p><input type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name</p> <p><input checked="" type="checkbox"/> Other <b>Corrective assignment to correct the 2<sup>nd</sup> assignor's name previously recorded at Reel 023862, Frame 0565.</b></p> <p>Execution Date: <u>October 26, 2009 &amp; November 2, 2009</u></p>	<p>2. Name and address of receiving party(ies):</p> <p>1) Name: QINETIQ LIMITED Street Address: 85 Buckingham Gate City: London State/Country: United Kingdom Zip: SW1E 6PD</p> <p>2) Name Street Address: City: State: Zip:</p> <p>Additional name/s &amp; address/es attached? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>4. Application number(s) or patent number(s): <input checked="" type="checkbox"/> This assignment is being filed together with a new application.</p> <p>A. Patent Application No(s). (1) 12/452,846 (2) (3)</p>	<p>B. Patent No(s). (1) (2) (3)</p> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Stanley C. Spooner</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>Nixon &amp; Vanderhye P.C.</u> <u>901 North Glebe Road</u> <u>11th Floor</u></p> <p>City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22203</u></p>	<p>6. Total number of applications &amp; patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our <b>Account No. 14-1140.</b></p>
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9. Statements and signature.  
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Stanley C. Spooner  March 4, 2010  
Name of Person Signing Signature Date

Reg. No. 27,393

Total number of pages including original cover sheet, attachments, and document: [5]

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PATENT  
REEL: 024054 FRAME: 0582

A/D 581.40

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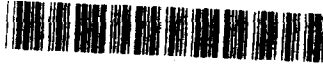
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12/452846

Our Ref.: SCS-124-1247



103587618

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01-28-10

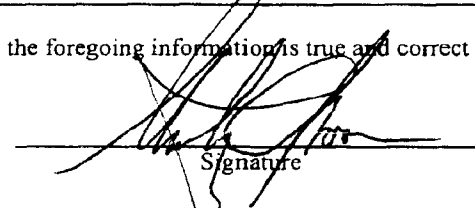
<p>1. Name of conveying party(ies): 1 John COOK 2 Abdul-Salam KADOUR</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: 1) November 2, 2009 2) October 26, 2009</p>	<p>2. Name and address of receiving party(ies):</p> <p>1) Name: QINETIQ LIMITED Street Address: 85 Buckingham Gate City: London State/Country: United Kingdom Zip: SW1E 6PD</p> <p>2) Name Street Address: City: State: Zip:</p> <p>Additional name/s &amp; address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>4. Application number(s) or patent number(s): <input type="checkbox"/> This assignment is being filed together with a new application.</p> <p>A. Patent Application No(s). (1) To be assigned (2) (3)</p>	<p>B. Patent No(s). (1) (2) (3)</p> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Stanley C. Spooner</p> <p>Internal Address:</p> <p>Street Address: Nixon &amp; Vanderhye P.C. 901 North Glebe Road 11th Floor</p> <p>City: Arlington State: VA Zip: 22203</p>	<p>6. Total number of applications &amp; patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

<p>Stanley C. Spooner Name of Person Signing Reg. No. 27,393</p>	 Signature	<p>January 25, 2010 Date</p>
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Total number of pages including original cover sheet, attachments, and document: [5]

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DOCS-#1583938-v1-Recordation\_Coversheet.DOC

PATENT  
REEL: 024054 FRAME: 0583

## DEED OF ASSIGNMENT OF PATENT APPLICATION

## BY AND BETWEEN

(Inventors) **Abdul-Salam KADDOUR**  
**John COOK**  
and  
(Assignee) **QINETIQ LIMITED**  
(Address) Company No. 3796233, whose Registered Office is at 85 Buckingham Gate, London  
SW1E 6PD United Kingdom (hereinafter referred to as "the Assignee")

THIS DEED NOW  
WITNESSES

In accordance with their contract(s) of employment, and to the extent that it may be required to perfect the Assignee's ownership of the invention under the laws of any territory of the world, the undersigned hereby assign(s) to the Assignee the undersigned's entire right, title, and interest throughout the world – including in particular for the United States, its territories, dependencies, and possessions – in the invention identified in the Assignee's records as:

Enter Title here

(Case No. **P7489/USW** )

and in all applications for patents therefor and in all patents which may be granted therefor, for which the undersigned has (have) executed on even date herewith an application for a patent in the United States of America or an International application for a patent designating the United States of America, or if not on even date, then has executed on \_\_\_\_\_ or has already filed in \_\_\_\_\_  
(Application Serial No. **US/** \_\_\_\_\_ or **PCT/GB2008/002351** filed on 09-Jul-2008)

The undersigned acknowledge(s) an obligation of assignment of this invention to the Assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

258050

The undersigned hereby grant(s) the firm of:

Nixon & Vanderhye, 11<sup>th</sup> Floor ,901 North Glebe Road  
Arlington, Virginia 22203-1808  
United States of America

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

**EXECUTED AS A DEED** by the undersigned on the date(s) opposite the undersigned signature(s).

Signature of Inventor A.S. Kaddour Date 26-10-2009  
**Abdul-Salam KADDOUR**

Witnessed by C.M. Ward-Close Date 26-10-2009

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
**John COOK**

Witnessed by \_\_\_\_\_ Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_

Witnessed by \_\_\_\_\_ Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_

Witnessed by \_\_\_\_\_ Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_

Witnessed by \_\_\_\_\_ Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_

Witnessed by \_\_\_\_\_ Date \_\_\_\_\_

## DEED OF ASSIGNMENT OF PATENT APPLICATION

## BY AND BETWEEN

(Inventors) **Abdul-Salam KADDOUR**  
**John COOK**  
and  
(Assignee) **QINETIQ LIMITED**  
(Address) Company No. 3796233, whose Registered Office is at 85 Buckingham Gate, London  
SW1E 6PD United Kingdom (hereinafter referred to as "the Assignee")

## THIS DEED NOW WITNESSES

In accordance with their contract(s) of employment, and to the extent that it may be required to perfect the Assignee's ownership of the invention under the laws of any territory of the world, the undersigned hereby assign(s) to the Assignee the undersigned's entire right, title, and interest throughout the world – including in particular for the United States, its territories, dependencies, and possessions – in the invention identified in the Assignee's records as:

**Enter Title here**

(Case No. **P7489/USW** )

and in all applications for patents therefor and in all patents which may be granted therefor, for which the undersigned has (have) executed on even date herewith an application for a patent in the United States of America or an International application for a patent designating the United States of America, or if not on even date, then has executed on \_\_\_\_\_ or has already filed in \_\_\_\_\_  
(Application Serial No. **US/**\_\_\_\_\_ or **PCT/GB2008/002351** filed on 09-Jul-2008)

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The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

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Arlington, Virginia 22203-1808  
United States of America

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**EXECUTED AS A DEED** by the undersigned on the date(s) opposite the undersigned signature(s).

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
**Abdul-Salam KADDOUR**

Witnessed by \_\_\_\_\_ Date \_\_\_\_\_

Signature of Inventor *J Cook* Date 2nd November 2009

Witnessed by *Christopher Smith* Date 02/11/2009  
**CHRISTOPHER SMITH**

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_

Witnessed by \_\_\_\_\_ Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_

Witnessed by \_\_\_\_\_ Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_

Witnessed by \_\_\_\_\_ Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_

Witnessed by \_\_\_\_\_ Date \_\_\_\_\_