

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PAUL RICHARD TAPSTER	09/27/2012
DAVID ARTHUR ORCHARD	04/11/2012
REBECCA ANNE WILSON	05/25/2012
MARTIN JAMES COOPER	04/11/2012
TERENCE JOHN SHEPHERD	05/09/2012
ANDREW CHARLES LEWIN	04/11/2012
CHARLOTTE R.H. BENNET	04/10/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QINETIQ LIMITED
<b>Street Address:</b>	CODY TECHNOLOGY PARK
<b>Internal Address:</b>	IVELY ROAD
<b>City:</b>	FARNBOROUGH, HAMPSHIRE
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	GU14 0LX
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13498458
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)913-0002
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	12-369-WO-US
<b>NAME OF SUBMITTER:</b>	A. BLAIR HUGHES
<b>SIGNATURE:</b>	/A. Blair Hughes/

PATENT

<b>DATE SIGNED:</b>	01/21/2016
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**Total Attachments: 14**

- source=12-369-WO-US Assignment#page1.tif
- source=12-369-WO-US Assignment#page2.tif
- source=12-369-WO-US Assignment#page3.tif
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- source=12-369-WO-US Assignment#page13.tif
- source=12-369-WO-US Assignment#page14.tif

## DEED OF ASSIGNMENT OF PATENT APPLICATION

### BY AND BETWEEN

(Inventors) Paul Richard Tapster, David Arthur Orchard, Rebecca Anne Wilson, Jonathan Alexander Skoyles Pritchard, Martin James Cooper, Terence John Shepherd, Andrew Charles Lewin, Charlotte Rachel Helen Bennett  
and  
(Assignee) QINETIQ LIMITED  
(Address) Company No. 3796233, whose Registered Office is at Cody Technology Park, Ively Road, Farnborough, Hampshire GU14 0LX 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:

Processor

(Case No. P7734/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/ 13/498458 filed on 27<sup>th</sup> March 2012 )

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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.

The undersigned hereby grant(s) the firm of:

McDonnell Boehnen Hulbert & Berghoff Law Offices  
300 South Wacker Drive Chicago, Illinois 60606-6709  
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 *P. Tapster* Date 27th September 2012  
Paul Richard Tapster

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

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
David Arthur Orchard

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

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Rebecca Anne Wilson

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

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Jonathan A.S. Pritchard

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

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Martin James Cooper

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

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Terence John Shepherd

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

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
**Andrew Charles Lewin**

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

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
**Charlotte R. H. Bennett**

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

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Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
**Paul Richard Tapster**

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

Signature of Inventor *D. Orchard* Date 11<sup>th</sup> April 2012  
**David Arthur Orchard**

Witnessed by *J. [Signature]* Date 11<sup>th</sup> April 2012

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
**Rebecca Anne Wilson**

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

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
**Jonathan A.S. Pritchard**

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

Signature of Inventor *J. Cooper* Date 11<sup>th</sup> April 2012  
**Martin James Cooper**

Witnessed by *[Signature]* Date 11 April 2012

Signature of Inventor \_\_\_\_\_ Date \_\_\_\_\_  
**Terence John Shepherd**

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

Signature of Inventor Andy Cole  
Andrew Charles Lewin

Witnessed by S. Bayel

Signature of Inventor \_\_\_\_\_  
Charlotte R. H. Bennett

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

Date 11<sup>th</sup> April 2012

Date 11<sup>th</sup> April 2012

Date \_\_\_\_\_

Date \_\_\_\_\_



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

**Paul Richard Tapster**

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

Date \_\_\_\_\_

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

**David Arthur Orchard**

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

Date \_\_\_\_\_

Signature of Inventor Rebecca Anne Wilson Date 25<sup>th</sup> May 2012.

**Rebecca Anne Wilson**

Witnessed by Kizzabeth Davis.

Date 25<sup>th</sup> May 2012.

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

**Jonathan A.S. Pritchard**

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

Date \_\_\_\_\_

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

**Martin James Cooper**

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

Date \_\_\_\_\_

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

**Terence John Shepherd**

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

Date \_\_\_\_\_

Signature of Inventor

Andrew Charles Lewin

Date

\_\_\_\_\_

Witnessed by

\_\_\_\_\_

Date

\_\_\_\_\_

Signature of Inventor

Charlotte R. H. Bennett

Date

\_\_\_\_\_

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\_\_\_\_\_

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**Paul Richard Tapster**

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

**David Arthur Orchard**

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

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

**Rebecca Anne Wilson**

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

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

**Jonathan A.S. Pritchard**

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

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

**Martin James Cooper**

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

Signature of Inventor \_\_\_\_\_ Date 9<sup>th</sup> May 2012.

**Terence John Shepherd**

Witnessed by CTJ Shepherd Date 9<sup>th</sup> May 2012.

Signature of Inventor

Andrew Charles Lewin

Date

Witnessed by

Date

Signature of Inventor

Charlotte R. H. Bennett

Date

Witnessed by

Date

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Signature of Inventor

Andrew Charles Lewin

Date

Witnessed by

Date

Signature of Inventor

*CP Bennett*  
Charlotte R. H. Bennett

Date

10 APRIL 2012

Witnessed by

*J. Moody*

Date

10 April 2012