

## PATENT ASSIGNMENT COVER SHEET

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|                                                                                        |                                  |
|----------------------------------------------------------------------------------------|----------------------------------|
| SUBMISSION TYPE:                                                                       | NEW ASSIGNMENT                   |
| NATURE OF CONVEYANCE:                                                                  | ASSIGNMENT                       |
| CONVEYING PARTY DATA                                                                   |                                  |
| Name                                                                                   | Execution Date                   |
| QINETIQ LIMITED                                                                        | 02/27/2013                       |
| RECEIVING PARTY DATA                                                                   |                                  |
| Name:                                                                                  | OPTASENSE HOLDINGS LIMITED       |
| Street Address:                                                                        | CODY TECHNOLOGY PARK, IVELY ROAD |
| City:                                                                                  | FARNBOROUGH, HAMPSHIRE           |
| State/Country:                                                                         | UNITED KINGDOM                   |
| Postal Code:                                                                           | GU14 0LX                         |
| PROPERTY NUMBERS Total: 8                                                              |                                  |
| Property Type                                                                          | Number                           |
| Patent Number:                                                                         | 5721615                          |
| Patent Number:                                                                         | 6527441                          |
| Patent Number:                                                                         | 8369660                          |
| Patent Number:                                                                         | 7042369                          |
| Patent Number:                                                                         | 7024064                          |
| Patent Number:                                                                         | 6137573                          |
| Patent Number:                                                                         | 6389187                          |
| Patent Number:                                                                         | 6621956                          |
| CORRESPONDENCE DATA                                                                    |                                  |
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|                                                                                                                                                                                                                                                                                                           |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Address Line 4: ARLINGTON, VIRGINIA 22203                                                                                                                                                                                                                                                                 |                      |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                   | SCS-124-1OPTASENSE   |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                        | STANLEY C. SPOONER   |
| Signature:                                                                                                                                                                                                                                                                                                | /Stanley C. Spooner/ |
| Date:                                                                                                                                                                                                                                                                                                     | 02/20/2014           |
| <b>Total Attachments: 6</b><br>source=124-1AssignmentOptasense#page1.tif<br>source=124-1AssignmentOptasense#page2.tif<br>source=124-1AssignmentOptasense#page3.tif<br>source=124-1AssignmentOptasense#page4.tif<br>source=124-1AssignmentOptasense#page5.tif<br>source=124-1AssignmentOptasense#page6.tif |                      |

## CONFIRMATORY ASSIGNMENT

### WHEREAS

- (1) **QINETIQ LIMITED** incorporated and registered in England and Wales with company number 03796233 whose registered office is at Cody Technology Park, Ively Road, Farnborough, Hampshire, England GU14 0LX (**Assignor**) was the owner of the entire right title and interest, legal and equitable, in and to certain patents and patent applications as listed in the attached Schedule (the **Patents**)

and

- (2) **OPTASENSE HOLDINGS LIMITED** incorporated and registered in England and Wales with company number 07450122 whose registered office is at Cody Technology Park, Ively Road, Farnborough, Hampshire, GU14 0LX (**Assignee**) is desirous of acquiring the entire right, title and interest in and to the Patents.

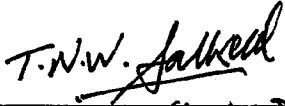
NOW, THEREFORE, Assignor and Assignee confirm that, for good and valuable consideration (including retention of certain agreed licence rights by Assignor for the benefit of itself and its licensees), the receipt and sufficiency of which is hereby acknowledged, Assignor assigned on 28 January 2013 in a prior Patent assignment document to Assignee the entire right, title and interest for all countries in and to the inventions covered by the Patents. The assignment included assignment of all applications, divisions, and all patents which may be granted therefrom, together with any renewals thereof, and all rights to claim priority under the provisions of the Paris Convention and all interests in, causes of action under (including those relating to past, present and future infringement) or unfair competition with respect to the Patents. Assignor hereby authorises and requests all applicable Patent Offices to issue any and all patents for the inventions to Assignee as the assignee of the same.

AS WITNESS the hands of the duly authorised representatives of the parties to this Assignment as indicated below.

For and on behalf of QINETIQ Ltd

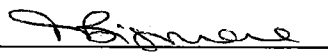
For and on behalf of OPTASENSE HOLDINGS Ltd

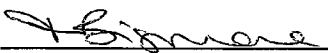
  
NAME JON MESSENT  
TITLE DIRECTOR.

  
NAME NEVILLE SALKELD  
TITLE DIRECTOR

27<sup>th</sup> FEBRUARY 2013  
Date

27<sup>th</sup> FEBRUARY 2013  
Date

  
Witness  
Name: TRACEY BIGMORE  
Title: CHARTERED SECRETARY  
CODY TECHNOLOGY PARK,  
IVELY ROAD, FARNBOROUGH  
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Witness  
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**SCHEDULE**  
**THE PATENTS**

| QinetiQ<br>case<br>number | Country | Sub<br>case | Country<br>status | Priority<br>number | Priority date | Application<br>number | Filing date | Patent<br>number | Grant date  |
|---------------------------|---------|-------------|-------------------|--------------------|---------------|-----------------------|-------------|------------------|-------------|
| P2121                     | CA      | W           | Abandoned         | 9314457.1          | 12 Jul 1993   | 2167066               | 27 Jun 1994 |                  |             |
| P2121                     | CH      | E           | Abandoned         | 9314457.1          | 12 Jul 1993   | 94918949.2            | 27 Jun 1994 | 708913           | 01 Apr 1998 |
| P2121                     | DE      | E           | Lapsed            | 9314457.1          | 12 Jul 1993   | 94918949.2            | 27 Jun 1994 | 69409386.6-08    | 01 Apr 1998 |
| P2121                     | EP      | W           | Lapsed            | 9314457.1          | 12 Jul 1993   | 94918949.2            | 27 Jun 1994 | 708913           | 01 Apr 1998 |
| P2121                     | FR      | E           | Lapsed            | 9314457.1          | 12 Jul 1993   | 94918949.2            | 27 Jun 1994 | 708913           | 01 Apr 1998 |
| P2121                     | GB      | W           | Lapsed            | 9314457.1          | 12 Jul 1993   | 9600675.4             | 27 Jun 1994 | 2295010          | 11 Jun 1997 |
| P2121                     | GB      | D           | Priority          | 9314457.1          | 12 Jul 1993   | 9314457.1             | 12 Jul 1993 |                  |             |
| P2121                     | IT      | E           | Abandoned         | 9314457.1          | 12 Jul 1993   | 94918949.2            | 27 Jun 1994 | 708913           | 01 Apr 1998 |
| P2121                     | JP      | W           | Abandoned         | 9314457.1          | 12 Jul 1993   | 504389/95             | 27 Jun 1994 | 3554326          | 14 May 2004 |
| P2121                     | NL      | E           | Abandoned         | 9314457.1          | 12 Jul 1993   | 94918949.2            | 27 Jun 1994 | 708913           | 01 Apr 1998 |
| P2121                     | US      | W           | Granted           | 9314457.1          | 12 Jul 1993   | 08/591475             | 27 Jun 1994 | 5721615          | 24 Feb 1998 |
| P2121                     | WO      | D           | National          | 9314457.1          | 12 Jul 1993   | GB94/01388            | 27 Jun 1994 |                  |             |
| P2348                     | CA      | W           | Abandoned         | 9813095.8          | 18 Jun 1998   | 2334916               | 11 Jun 1999 |                  |             |
| P2348                     | EP      | W           | Abandoned         | 9813095.8          | 18 Jun 1998   | 99957095.5            | 11 Jun 1999 |                  |             |
| P2348                     | GB      | D           | Lapsed            | 9813095.8          | 18 Jun 1998   | 9813095.8             | 18 Jun 1998 |                  |             |
| P2348                     | JP      | W           | Granted           | 9813095.8          | 18 Jun 1998   | 2000-555067           | 11 Jun 1999 | 4344093          | 17 Jul 2009 |
| P2348                     | US      | W           | Granted           | 9813095.8          | 18 Jun 1998   | 09/719793             | 11 Jun 1999 | 6527441          | 04 Mar 2003 |
| P2348                     | WO      | D           | National          | 9813095.8          | 18 Jun 1998   | GB99/01867            | 11 Jun 1999 |                  |             |
| P2353                     | AU      | W           | Granted           | 9908075.6          | 09 Apr 1999   | 38280/00              | 06 Apr 2000 | 755607           | 03 Apr 2003 |
| P2353                     | DE      | E           | Granted           | 9908075.6          | 09 Apr 1999   | 917186.9              | 06 Apr 2000 | 60031102.3-08    | 04 Oct 2006 |
| P2353                     | EP      | W           | National          | 9908075.6          | 09 Apr 1999   | 917186.9              | 06 Apr 2000 | 1169619          | 04 Oct 2006 |
| P2353                     | FR      | E           | Granted           | 9908075.6          | 09 Apr 1999   | 917186.9              | 06 Apr 2000 | 1169619          | 04 Oct 2006 |
| P2353                     | GB      | E           | Granted           | 9908075.6          | 09 Apr 1999   | 917186.9              | 06 Apr 2000 | 1169619          | 04 Oct 2006 |
| P2353                     | GB      | D           | Withdrawn         | 9908075.6          | 09 Apr 1999   | 9908075.6             | 09 Apr 1999 |                  |             |

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| P2353 | JP   | W  | Abandoned | 9908075.6 | 09 Apr 1999 | 2000-611036 | 06 Apr 2000 |                   |             |
| P2353 | NO   | W  | Granted   | 9908075.6 | 09 Apr 1999 | 20014905    | 06 Apr 2000 | 329952            | 31 Jan 2011 |
| P2353 | US   | W  | Pending   | 9908075.6 | 09 Apr 1999 | 09/958337   | 06 Apr 2000 |                   |             |
| P2353 | WO   | D  | National  | 9908075.6 | 09 Apr 1999 | GB00/01300  | 06 Apr 2000 |                   |             |
| P7857 | USW1 | W  | Pending   | 9908075.6 | 09 Apr 1999 | 13/558797   | 26 Jul 2012 |                   |             |
| P7857 | USW2 | W  | Pending   | 9908075.6 | 09 Apr 1999 | 13/558821   | 26 Jul 2012 |                   |             |
| P2372 | DE   | E  | Granted   | 103665.6  | 15 Feb 2001 | 2711047.7   | 11 Feb 2002 | 6020136.2<br>08   | 01 Sep 2004 |
| P2372 | DE   | E1 | Granted   | 2711047.7 | 11 Feb 2002 | 4075994.6   | 11 Feb 2002 | 60223071.3-<br>08 | 17 Oct 2007 |
| P2372 | EP   | W  | National  | 103665.6  | 15 Feb 2001 | 2711047.7   | 11 Feb 2002 | 1360672           | 01 Sep 2004 |
| P2372 | EP   | W1 | National  | 2711047.7 | 11 Feb 2002 | 4075994.6   | 11 Feb 2002 | 1445748           | 17 Oct 2007 |
| P2372 | FR   | E  | Granted   | 103665.6  | 15 Feb 2001 | 2711047.7   | 11 Feb 2002 | 1360672           | 01 Sep 2004 |
| P2372 | FR   | E1 | Granted   | 2711047.7 | 11 Feb 2002 | 4075994.6   | 11 Feb 2002 | 1445748           | 17 Oct 2007 |
| P2372 | GB   | E  | Granted   | 103665.6  | 15 Feb 2001 | 2711047.7   | 11 Feb 2002 | 1360672           | 01 Sep 2004 |
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| P2372 | IT   | E  | Granted   | 103665.6  | 15 Feb 2001 | 2711047.7   | 11 Feb 2002 | 1360672           | 01 Sep 2004 |
| P2372 | IT   | E1 | Granted   | 2711047.7 | 11 Feb 2002 | 4075994.6   | 11 Feb 2002 | 1445748           | 17 Oct 2007 |
| P2372 | JP   | W  | Lapsed    | 103665.6  | 15 Feb 2001 | 2002-565273 | 11 Feb 2002 |                   |             |
| P2372 | US   | W  | Granted   | 103665.6  | 15 Feb 2001 | 10/467075   | 11 Feb 2002 | 7042369           | 09 May 2006 |
| P2372 | WO   | D  | National  | 103665.6  | 15 Feb 2001 | GB02/00573  | 11 Feb 2002 |                   |             |
| P2373 | DE   | E  | Granted   | 103666.4  | 15 Feb 2001 | 2711046.9   | 11 Feb 2002 | 60200788.7-<br>08 | 21 Jul 2004 |
| P2373 | EP   | W  | National  | 103666.4  | 15 Feb 2001 | 2711046.9   | 11 Feb 2002 | 1360671           | 21 Jul 2004 |
| P2373 | ES   | E  | Granted   | 103666.4  | 15 Feb 2001 | 2711046.9   | 11 Feb 2002 | ES 2220892<br>T3  | 21 Jul 2004 |
| P2373 | FR   | E  | Granted   | 103666.4  | 15 Feb 2001 | 2711046.9   | 11 Feb 2002 | 1360671           | 21 Jul 2004 |
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| P2373 | JP | W  | Granted   | 103666.4   | 15 Feb 2001 | 2002-565272 | 11 Feb 2002 | 3959350       | 18 May 2007 |
| P2373 | US | W  | Granted   | 103666.4   | 15 Feb 2001 | 10/470493   | 11 Feb 2002 | 7024064       | 04 Apr 2006 |
| P2373 | WO | D  | National  | 103666.4   | 15 Feb 2001 | GB02/00571  | 11 Feb 2002 |               |             |
| P2460 | BE | E  | Abandoned | 9606785.5  | 29 Mar 1996 | 97908410    | 24 Mar 1997 | 890081        | 08 Aug 2001 |
| P2460 | CH | E  | Abandoned | 9606785.5  | 29 Mar 1996 | 97908410    | 24 Mar 1997 | 890081        | 08 Aug 2001 |
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| P2460 | EP | W  | National  | 9606785.5  | 29 Mar 1996 | 97908410    | 24 Mar 1997 | 890081        | 08 Aug 2001 |
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| P2460 | GB | W  | Abandoned | 9606785.5  | 29 Mar 1996 | 9819954     | 24 Mar 1997 | 2325741       | 01 Mar 2000 |
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| P2460 | WO | D  | National  | 9606785.5  | 29 Mar 1996 | GB97/00807  | 24 Mar 1997 |               |             |
| P2570 | CA | W  | Abandoned | 9713018.1  | 20 Jun 1997 | 2294150     | 17 Jun 1998 |               |             |
| P2570 | DE | E  | Abandoned | 9713018.1  | 20 Jun 1997 | 98930883.8  | 17 Jun 1998 | 69807875.6    | 11 Sep 2002 |
| P2570 | EP | W  | National  | 9713018.1  | 20 Jun 1997 | 98930883.8  | 17 Jun 1998 | 990124        | 11 Sep 2002 |
| P2570 | EP | W1 | Lapsed    | 98930883.8 | 17 Jun 1998 | 1201885.9   | 17 Jun 1998 |               |             |
| P2570 | FR | E  | Abandoned | 9713018.1  | 20 Jun 1997 | 98930883.8  | 17 Jun 1998 | 990124        | 11 Sep 2002 |
| P2570 | GB | W  | Abandoned | 9713018.1  | 20 Jun 1997 | 9929023.1   | 09 Dec 1999 | 2341445       | 02 Jan 2002 |
| P2570 | GB | E  | Abandoned | 9713018.1  | 20 Jun 1997 | 98930883.8  | 17 Jun 1998 | 990124        | 11 Sep 2002 |
| P2570 | GB | D  | Withdrawn | 9713018.1  | 20 Jun 1997 | 9713018.1   | 20 Jun 1997 |               |             |
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| P2570 | JP | W  | Lapsed    | 9713018.1  | 20 Jun 1997 | 11-503981   | 17 Jun 1998 |               |             |
| P2570 | KR | W  | Lapsed    | 9713018.1  | 20 Jun 1997 | 7012026     | 17 Jun 1998 |               |             |
| P2570 | NL | E  | Abandoned | 9713018.1  | 20 Jun 1997 | 98930883.8  | 17 Jun 1998 | 990124        | 11 Sep 2002 |
| P2570 | US | W  | Granted   | 9713018.1  | 20 Jun 1997 | 09/446325   | 17 Jun 1998 | 6389187       | 14 May 2002 |

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| P2570 | US | W1 | Granted  | 09/446325 | 17 Jun 1998 | 10/053900      | 17 Jun 1998 | 6621956       | 16 Sep 2003 |
| P2570 | WO | D  | National | 9713018.1 | 20 Jun 1997 | GB98/01780     | 17 Jun 1998 |               |             |
| P7020 | CA | W  | Granted  | 203920.4  | 19 Feb 2002 | 2476772        | 06 Feb 2003 | 2476772       | 13 Dec 2011 |
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| P7020 | US | W  | Granted  | 203920.4  | 19 Feb 2002 | 10/504903      | 06 Feb 2003 | 7345952       | 18 Mar 2008 |
| P7020 | WO | D  | National | 203920.4  | 19 Feb 2002 | GB2003/000 540 | 06 Feb 2003 |               |             |
| P7031 | DE | E  | Granted  | 103665.6  | 15 Feb 2001 | 2711074.1      | 12 Feb 2002 | 60200789.5-08 | 21 Jul 2004 |
| P7031 | EP | W  | National | 103665.6  | 15 Feb 2001 | 2711074.1      | 12 Feb 2002 | 1360673       | 21 Jul 2004 |
| P7031 | FR | E  | Granted  | 103665.6  | 15 Feb 2001 | 2711074.1      | 12 Feb 2002 | 1360673       | 21 Jul 2004 |
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| P7031 | JP | W  | Lapsed   | 103665.6  | 15 Feb 2001 | 2002-565274    | 12 Feb 2002 |               |             |
| P7031 | US | W  | Granted  | 103665.6  | 15 Feb 2001 | 10/468064      | 12 Feb 2002 | 7068186       | 27 Jun 2006 |
| P7031 | WO | D  | National | 103665.6  | 15 Feb 2001 | GB02/00618     | 12 Feb 2002 |               |             |
| P7032 | DE | E  | Granted  | 201162.5  | 18 Jan 2002 | 3731740.1      | 08 Jan 2003 | 60327418.8-08 | 29 Apr 2009 |
| P7032 | EP | W  | National | 201162.5  | 18 Jan 2002 | 3731740.1      | 08 Jan 2003 | 1466138       | 29 Apr 2009 |
| P7032 | FR | E  | Granted  | 201162.5  | 18 Jan 2002 | 3731740.1      | 08 Jan 2003 | 1466138       | 29 Apr 2009 |
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| P7032 | US | W  | Granted  | 201162.5  | 18 Jan 2002 | 10/501375      | 08 Jan 2003 | 7021146       | 04 Apr 2006 |
| P7032 | WO | D  | National | 201162.5  | 18 Jan 2002 | GB2003/000 035 | 08 Jan 2003 |               |             |
| P7033 | DE | E  | Granted  | 201760.6  | 25 Jan 2002 | 3700906.5      | 15 Jan 2003 | 60332090.2    | 14 Apr 2010 |
| P7033 | EP | W  | National | 201760.6  | 25 Jan 2002 | 3700906.5      | 15 Jan 2003 | 1468258       | 14 Apr 2010 |
| P7033 | FR | E  | Granted  | 201760.6  | 25 Jan 2002 | 3700906.5      | 15 Jan 2003 | 1468258       | 14 Apr 2010 |
| P7033 | GB | E  | Granted  | 201760.6  | 25 Jan 2002 | 3700906.5      | 15 Jan 2003 | 1468258       | 14 Apr 2010 |
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|-------|----|---|----------|----------|-------------|------------------|-------------|---------|-------------|
| P7033 | US | W | Granted  | 201760.6 | 25 Jan 2002 | 10/502371        | 15 Jan 2003 | 7282697 | 16 Oct 2007 |
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