

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5549236

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ADAM JOHN BOULTON	02/12/2019
WILLIAM JAMES MCCOURT	11/23/2018
BENJAMIN JOHN GODWOOD	11/23/2018
PAUL COMPTON HIRST	11/19/2018
NIALL FITZGIBBON	11/19/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BLACKBERRY UK LIMITED
<b>Street Address:</b>	GROUND FLOOR, THE PEARCE BUILDING
<b>Internal Address:</b>	WEST STREET, MAIDENHEAD
<b>City:</b>	BERKSHIRE
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	SL6 1RL
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16148690
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<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>	
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	FISH & RICHARDSON P.C.
<b>Address Line 1:</b>	P.O. BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440
<b>ATTORNEY DOCKET NUMBER:</b>	29717-2215001
<b>NAME OF SUBMITTER:</b>	CHRISTIE LOVEN
<b>SIGNATURE:</b>	/Christie Loven/
<b>DATE SIGNED:</b>	05/31/2019
<b>Total Attachments: 38</b>	
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**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

**BOULTON, Adam John, 6 Waterford Road, Oxton, Wirral, CH43 6UT, United Kingdom**

**McCOURT, William James, Ground Floor, The Pearce Building, West Street,  
Maidenhead, Berkshire, SL6 1RL, United Kingdom**

**GODWOOD, Benjamin John, 9 Hill Crescent, Finstock, Chipping Norton, OXON, OX7  
3BT, United Kingdom**

**HIRST, Paul Compton, Ground Floor, The Pearce Building, West Street, Maidenhead,  
Berkshire, SL6 1RL, United Kingdom**

**FITZGIBBON, Niall, 187A Blackstock Road, London, N5 2LL, United Kingdom**

am an/are inventor(s) of an invention entitled **ANALYZING BINARY SOFTWARE CODE**  
("Invention") for which one or more applications for patent, design registration, utility model  
registration, or other form of protection, rights, or title have been or will be made in certain  
countries ("Applications"), as further described below:

**US Application # 16/148,690 filed 1 October 2018**

AND WHEREAS, **BLACKBERRY UK LIMITED**, (hereinafter referred to as the  
"ASSIGNEE"), a company organized under the laws of England and Wales, having a place of  
business at Ground Floor, The Pearce Building, West Street, Maidenhead, Berkshire, SL6 1RL,  
United Kingdom, is desirous of acquiring the full and exclusive right, title and interest in and to  
said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all  
priority rights derived from said Applications, and all patents, design registrations, utility model  
registrations and other forms of protection, rights and titles relating to said Invention, in any  
country or countries and in respect of the whole or any part or parts of or improvements to the  
Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are  
hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have  
transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer,  
convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to:  
the Invention; the Applications; inclusive of any and all priority rights, including the right to  
claim priority, derived from the Applications; any further applications for patent, design  
registration, utility model registration or other forms of protection, rights or titles for the whole  
or any part or parts of or improvements to the Invention in any country or countries ("Further  
Applications") together with the right to file divisional applications, substitute applications and

continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

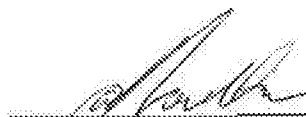
ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

  
BOULTON, Adam John  
6 Waterford Road,  
Oxton, Wirral,  
CH43 6UT,  
United Kingdom

Date: 12/02/19

STATEMENT BY WITNESS

I, MELANIE BOULTON, whose full Post Office address is

6 WATERFORD ROAD  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

  
(Signature of Witness)

Date: 12/02/19

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
**McCOURT, William James**  
**Ground Floor, The Pearce Building, West Street,**  
**Maidenhead, Berkshire,**  
**SL6 1RL,**  
**United Kingdom**

Date: \_\_\_\_\_

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
**GODWOOD, Benjamin John**  
**9 Hill Crescent, Finstock,**  
**Chipping Norton, OXON,**  
**OX7 3BT,**  
**United Kingdom**

Date: \_\_\_\_\_

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: \_\_\_\_\_

\_\_\_\_\_  
**HIRST, Paul Compton**  
**Ground Floor, The Pearce Building, West Street,**  
**Maidenhead, Berkshire,**  
**SL6 1RL,**  
**United Kingdom**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_



IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: \_\_\_\_\_

\_\_\_\_\_  
**FITZGIBBON, Niall**  
**187A Blackstock Road,**  
**London, N5 2LL,**  
**United Kingdom**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Witness)

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

**BOULTON, Adam John, 6 Waterford Road, Oxtou, Wirral, CH43 6UT, United Kingdom**

**McCOURT, William James, Ground Floor, The Pearce Building, West Street, Maidenhead, Berkshire, SL6 1RL, United Kingdom**

**GODWOOD, Benjamin John, 9 Hill Crescent, Finstock, Chipping Norton, OXON, OX7 3BT, United Kingdom**

**HIRST, Paul Compton, Ground Floor, The Pearce Building, West Street, Maidenhead, Berkshire, SL6 1RL, United Kingdom**

**FITZGIBBON, Niall, 187A Blackstock Road, London, N5 2LL, United Kingdom**

am an/are inventor(s) of an invention entitled **ANALYZING BINARY SOFTWARE CODE** ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

**US Application # 16/148,690 filed 1 October 2018**

AND WHEREAS, **BLACKBERRY UK LIMITED**, (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of England and Wales, having a place of business at Ground Floor, The Pearce Building, West Street, Maidenhead, Berkshire, SL6 1RL, United Kingdom, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer,

convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; inclusive of any and all priority rights, including the right to claim priority, derived from the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

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form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

BlackBerry Family Ref. No.: 50429

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
BOULTON, Adam John  
6 Waterford Road,  
Oxton, Wirral,  
CH43 6UT,  
United Kingdom

Date: \_\_\_\_\_

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

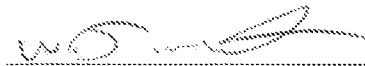
hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_

BlackBerry Family Ref. No.: 50429

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:



Date: 23/11/18

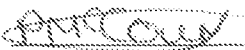
McCOURT, William James  
Ground Floor, The Pearce Building, West Street,  
Maidenhead, Berkshire,  
SL6 1RL,  
United Kingdom

STATEMENT BY WITNESS

I, PAULINE MCCOURT, whose full Post Office address is

34 ALBYN DRIVE MURLESTON EMSWORTH  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

  
(Signature of Witness)

Date: 23<sup>rd</sup> Nov 2018

BlackBerry Family Ref. No.: 50429

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
GODWOOD, Benjamin John  
9 Hill Crescent, Finstock,  
Chipping Norton, OXON,  
OX7 3BT,  
United Kingdom

Date: \_\_\_\_\_

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_

Page 6  
of 10

V7.3

BlackBerry Family Ref. No.: 50429

Page 7  
of 10

V7.3

**PATENT**  
**REEL: 049334 FRAME: 0164**



BlackBerry Family Ref. No.: 50429

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
Date: \_\_\_\_\_  
HIRST, Paul Compton  
Ground Floor, The Pearce Building, West Street,  
Maidenhead, Berkshire,  
SL6 1RL,  
United Kingdom

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
Date: \_\_\_\_\_

Page 8  
of 10

V7.3

BlackBerry Family Ref. No.: 50429

(Signature of Witness)

BlackBerry Family Ref. No.: 50429

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
FITZGIBBON, Niall  
187A Blackstock Road,  
London, N5 2LL,  
United Kingdom

Date: \_\_\_\_\_

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

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\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_

Page 10  
of 10

V7.3

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

**BOULTON, Adam John, 6 Waterford Road, Oxton, Wirral, CH43 6UT, United Kingdom**

**McCOURT, William James, Ground Floor, The Pearce Building, West Street,  
Maidenhead, Berkshire, SL6 1RL, United Kingdom**

**GODWOOD, Benjamin John, 9 Hill Crescent, Finstock, Chipping Norton, OXON, OX7  
3BT, United Kingdom**

**HIRST, Paul Compton, Ground Floor, The Pearce Building, West Street, Maidenhead,  
Berkshire, SL6 1RL, United Kingdom**

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
BOULTON, Adam John  
6 Waterford Road,  
Oxton, Wirral,  
CH43 6UT,  
United Kingdom

Date: \_\_\_\_\_

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: \_\_\_\_\_

\_\_\_\_\_  
McCOURT, William James  
Ground Floor, The Pearce Building, West Street,  
Maidenhead, Berkshire,  
SL6 1RL,  
United Kingdom

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is


\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Witness)

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

  
GODWOOD, Benjamin John  
9 Hill Crescent, Finstock,  
Chipping Norton, OXON,  
OX7 3BT,  
United Kingdom

Date:

23/11/2018

STATEMENT BY WITNESS

I, MARGARET MASON, whose full Post Office address is

9 HILL CRESCENT, FINSTOCK, CHIPPING NORTON, OX7 3BT  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

  
(Signature of Witness)

Date:

23/11/2018



IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
Date: \_\_\_\_\_  
HIRST, Paul Compton  
Ground Floor, The Pearce Building, West Street,  
Maidenhead, Berkshire,  
SL6 1RL,  
United Kingdom

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)  
Date: \_\_\_\_\_

BlackBerry Family Ref. No.: 50429

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
FITZGIBBON, Niall  
187A Blackstock Road,  
London, N5 2LL,  
United Kingdom

Date: \_\_\_\_\_

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE (hereinafter referred to as the "ASSIGNOR(S)");

**BOULTON, Adam John, 6 Waterford Road, Oxtou, Wirral, CH43 6UT, United Kingdom**

**McCOURT, William James, Ground Floor, The Pearce Building, West Street,  
Maidenhead, Berkshire, SL6 1RL, United Kingdom**

**GODWOOD, Benjamin John, 9 Hill Crescent, Finstock, Chipping Norton, OXON, OX7  
3BT, United Kingdom**

**HIRST, Paul Compton, Ground Floor, The Pearce Building, West Street, Maidenhead,  
Berkshire, SL6 1RL, United Kingdom**

**FITZGIBBON, Niall, 187A Blackstock Road, London, N5 2LL, United Kingdom**

an an/are inventor(s) of an invention entitled **ANALYZING BINARY SOFTWARE CODE**  
("Invention") for which one or more applications for patent, design registration, utility model  
registration, or other form of protection, rights, or title have been or will be made in certain  
countries ("Applications"), as further described below:

**US Application # 16/148,690 filed 1 October 2018**

AND WHEREAS, **BLACKBERRY UK LIMITED**, (hereinafter referred to as the  
"ASSIGNEE"), a company organized under the laws of England and Wales, having a place of  
business at Ground Floor, The Pearce Building, West Street, Maidenhead, Berkshire, SL6 1RL,  
United Kingdom, is desirous of acquiring the full and exclusive right, title and interest in and to  
said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all  
priority rights derived from said Applications, and all patents, design registrations, utility model  
registrations and other forms of protection, rights and titles relating to said Invention, in any  
country or countries and in respect of the whole or any part or parts of or improvements to the  
Invention:

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are  
hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have  
transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer,  
convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to:  
the Invention; the Applications; inclusive of any and all priority rights, including the right to  
claim priority, derived from the Applications; any further applications for patent, design  
registration, utility model registration or other forms of protection, rights or titles for the whole  
or any part or parts of or improvements to the Invention in any country or countries ("Further  
Applications") together with the right to file divisional applications, substitute applications and  
continuation applications of any one or more of the Applications and Further Applications  
("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all

other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
BOULTON, Adam John  
6 Waterford Road,  
Oxton, Wirral,  
CH43 6UT,  
United Kingdom

Date: \_\_\_\_\_

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
Date: \_\_\_\_\_  
**McCOURT, William James**  
**Ground Floor, The Pearce Building, West Street,**  
**Maidenhead, Berkshire,**  
**SL6 1RL,**  
**United Kingdom**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness) Date: \_\_\_\_\_

BlackBerry Family Ref. No.: 50429

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
Date: \_\_\_\_\_  
**GODWOOD, Benjamin John**  
**9 Hill Crescent, Finstock,**  
**Chipping Norton, OXON,**  
**OX7 3BT,**  
**United Kingdom**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness) Date: \_\_\_\_\_

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

P. Hirst Date: 19<sup>th</sup> Nov 2018  
HIRST, Paul Compton  
Ground Floor, The Pearce Building, West Street,  
Maidenhead, Berkshire,  
SL6 1RL,  
United Kingdom

STATEMENT BY WITNESS

I, MRS EILEEN HIRST, whose full Post Office address is  
STEEPS COTTAGE, OXFORD, TINGTON, OX16 9EH, UK.  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

E. Hirst Date: 19<sup>th</sup> Nov 2018  
(Signature of Witness)



IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
Date: \_\_\_\_\_  
**FITZGIBBON, Niall**  
**187A Blackstock Road,**  
**London, N5 2LL,**  
**United Kingdom**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness) Date: \_\_\_\_\_

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE, (hereinafter referred to as the “ASSIGNOR(S)”):

**BOULTON, Adam John, 6 Waterford Road, Oxton, Wirral, CH43 6UT, United Kingdom**

**McCOURT, William James, Ground Floor, The Pearce Building, West Street,  
Maidenhead, Berkshire, SL6 1RL, United Kingdom**

**GODWOOD, Benjamin John, 9 Hill Crescent, Finstock, Chipping Norton, OXON, OX7  
3BT, United Kingdom**

**HIRST, Paul Compton, Ground Floor, The Pearce Building, West Street, Maidenhead,  
Berkshire, SL6 1RL, United Kingdom**

**FITZGIBBON, Niall, 187A Blackstock Road, London, N5 2LL, United Kingdom**

am an/are inventor(s) of an invention entitled **ANALYZING BINARY SOFTWARE CODE** (“Invention”) for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries (“Applications”), as further described below:

**US Application # 16/148,690 filed 1 October 2018**

AND WHEREAS, **BLACKBERRY UK LIMITED**, (hereinafter referred to as the “ASSIGNEE”), a company organized under the laws of England and Wales, having a place of business at Ground Floor, The Pearce Building, West Street, Maidenhead, Berkshire, SL6 1RL, United Kingdom, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)’s respective rights, title and interest in and to: the Invention; the Applications; inclusive of any and all priority rights, including the right to claim priority, derived from the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries (“Further Applications”) together with the right to file divisional applications, substitute applications and

continuation applications of any one or more of the Applications and Further Applications (“Divisionals”); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals (“Grants”); and the right to obtain any extensions / supplementary protection certificates (“Extensions”); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
**BOULTON, Adam John**  
**6 Waterford Road,**  
**Oxton, Wirral,**  
**CH43 6UT,**  
**United Kingdom**

Date: \_\_\_\_\_

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
Date: \_\_\_\_\_  
**McCOURT, William James**  
**Ground Floor, The Pearce Building, West Street,**  
**Maidenhead, Berkshire,**  
**SL6 1RL,**  
**United Kingdom**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)  
Date: \_\_\_\_\_

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
**GODWOOD, Benjamin John**  
**9 Hill Crescent, Finstock,**  
**Chipping Norton, OXON,**  
**OX7 3BT,**  
**United Kingdom**

Date: \_\_\_\_\_

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)

Date: \_\_\_\_\_

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

\_\_\_\_\_  
Date: \_\_\_\_\_  
**HIRST, Paul Compton**  
**Ground Floor, The Pearce Building, West Street,**  
**Maidenhead, Berkshire,**  
**SL6 1RL,**  
**United Kingdom**

STATEMENT BY WITNESS


I, \_\_\_\_\_, whose full Post Office address is

\_\_\_\_\_  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

\_\_\_\_\_  
(Signature of Witness)  
Date: \_\_\_\_\_

undersigned:

  
\_\_\_\_\_  
**FITZGIBBON, Niall**  
**187A Blackstock Road,**  
**London, N5 2LL,**  
**United Kingdom**

Date: 10/11/18

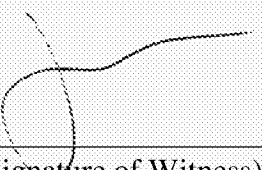
STATEMENT BY WITNESS

I, Jessica Alice Lever, whose full Post Office address is

187A BLACKSTOCK ROAD, LONDON, N5 2LL

(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

  
\_\_\_\_\_  
(Signature of Witness)

Date: 10/11/18