

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2768220

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MR. JOHN R. CLOWES	03/11/2014
MR. ANATOLY B. GRUDININ	03/11/2014
MR. IAN M. GODFREY	03/12/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FIANIUM LTD.
<b>Street Address:</b>	20 COMPASS POINT, ENSIGN WAY
<b>City:</b>	HAMBLE, SOUTHAMPTON
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	SO31 4RA
<b>PROPERTY NUMBERS Total: 5</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13792172
Application Number:	13792173
Application Number:	13792177
Application Number:	13792179
Application Number:	13792184
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(541)343-1838
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	860 817 9008
<b>Email:</b>	peter.rainville@fianium.com
<b>Correspondent Name:</b>	FIANIUM INC
<b>Address Line 1:</b>	PO BOX 1009
<b>Address Line 4:</b>	GRANBY, CONNECTICUT 06026
<b>ATTORNEY DOCKET NUMBER:</b>	P1689US_02-06
<b>NAME OF SUBMITTER:</b>	PETER RAINVILLE
<b>SIGNATURE:</b>	/Peter Rainville/
<b>DATE SIGNED:</b>	03/14/2014
<b>Total Attachments: 6</b>	

PATENT

source=Ian\_Assignment#page1.tif  
source=Ian\_Assignment#page2.tif  
source=Anatoly\_Assignment#page1.tif  
source=Anatoly\_Assignment#page2.tif  
source=John\_Assignment#page1.tif  
source=John\_Assignment#page2.tif

## ASSIGNMENT

THIS INSTRUMENT OF ASSIGNMENT WITNESSETH THAT:

WHEREAS, I, Ian M. Godfrey, resident of 173 Greystone Crescent, Almonte, Ontario, K0A 1A0, Canada, have made the inventions described in US Patent Application No. 12/316,006, filed December 09, 2008, and entitled "Optical pulse sources", and in patents and applications claiming priority to the aforementioned, including, by way of example and not limitation, the following US Patent and Patent Applications:

Title	Country	Serial and/or Patent No.	Filing Date	Priority
Method For Illuminating A Sample With Supercontinuum Pulses	US	13/792,172	March 10, 2013	12/316,006
Variable Repetition Rate And Wavelength Optical Pulse Source	US	13/792,173	March 10, 2013	12/316,006
Method and Apparatus for Providing Supercontinuum Pulses	US	13/792,177	March 10, 2013	12/316,006
Supercontinuum Pulse Source	US	13/792,179	March 10, 2013	12/316,006
Flexible and Stable Supercontinuum Source	US	13/792,184	March 10, 2013	12/316,006

and WHEREAS, Fianium Ltd., a limited company of the United Kingdom, having a place of business at 20 Compass Point, Ensign Way, Hamble, Southampton, SO31 4RA, UK, (hereinafter "ASSIGNEE") desires to be the assignee of said inventions, said applications and any Letters Patent to be issued therefrom;

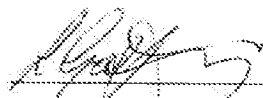
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt whereof is hereby acknowledged, I have sold, assigned and set over, and do hereby sell, assign and set over to said ASSIGNEE, its successors or assigns, the entire right, title and interest to and in said inventions in all jurisdictions, including the United States, its territorial possessions and all countries foreign to the United States (hereinafter "foreign countries"), said entire right, title and interest including the above-identified patent applications and any patents issuing therefrom; regular, continuation, continuation-in-part, divisional, reissue, or re-exam applications and patents of the foregoing; any other patents or applications, including United States, foreign or international patent or applications, related to the foregoing by way of a priority claim; as well as any and all proprietary rights, Convention rights, and other benefits accruing or to accrue to me with respect to the filing and/or prosecuting applications for patents or securing patents in any and all jurisdictions, including the United

States, its territorial possessions, and any and all foreign countries.

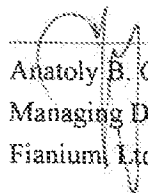
Furthermore, I do hereby authorize and request the Commissioner of Patents and Trademarks to issue United States Letters Patent based upon said applications to said ASSIGNEE as the assignee of my entire right, title and interest to and in the same, for the sole use and behoof of said ASSIGNEE, its successors or assigns.

And I also hereby covenant and agree to sign all proper papers including divisional and other applications for patents and assignments thereof in the United States and applications for patents and assignments in all foreign countries, and to execute all rightful oaths and to take any other proper action that may in the judgment of the said ASSIGNEE be necessary to obtain and enforce full rights to said invention in any and all jurisdictions, including the United States, its territorial possessions and any and all foreign countries, all of the foregoing to be at the expense of said ASSIGNEE.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal on this 12 day of MARCH 2014

  
\_\_\_\_\_  
Ian M. Godfrey

Executed by ASSIGNEE on this 14<sup>th</sup> day of March 2014

  
\_\_\_\_\_  
Anatoly B. Grudinin  
Managing Director  
Fianium Ltd.

## ASSIGNMENT

THIS INSTRUMENT OF ASSIGNMENT WITNESSETH THAT:

WHEREAS, I, Anatoly B. Grudinin, resident of 69 Burgess Road, Southampton, SO16 7AL, United Kingdom, have made the inventions described in US Patent Application No. 12/316,006, filed December 09, 2008, and entitled "Optical pulse sources", and in patents and applications claiming priority to the aforementioned, including, by way of example and not limitation, the following US Patent and Patent Applications:

Title	Country	Serial and/or Patent No.	Filing Date	Priority
Method For Illuminating A Sample With Supercontinuum Pulses	US	13/792,172	March 10, 2013	12/316,006
Variable Repetition Rate And Wavelength Optical Pulse Source	US	13/792,173	March 10, 2013	12/316,006
Method and Apparatus for Providing Supercontinuum Pulses	US	13/792,177	March 10, 2013	12/316,006
Supercontinuum Pulse Source	US	13/792,179	March 10, 2013	12/316,006
Flexible and Stable Supercontinuum Source	US	13/792,184	March 10, 2013	12/316,006

and WHEREAS, Fianium Ltd., a limited company of the United Kingdom, having a place of business at 20 Compass Point, Ensign Way, Hamble, Southampton, SO31 4RA, UK, (hereinafter "ASSIGNEE") desires to be the assignee of said inventions, said applications and any Letters Patent to be issued therefrom;


NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt whereof is hereby acknowledged, I have sold, assigned and set over, and do hereby sell, assign and set over to said ASSIGNEE, its successors or assigns, the entire right, title and interest to and in said inventions in all jurisdictions, including the United States, its territorial possessions and all countries foreign to the United States (hereinafter "foreign countries"), said entire right, title and interest including the above-identified patent applications and any patents issuing therefrom; regular, continuation, continuation-in-part, divisional, reissue, or re-exam applications and patents of the foregoing; any other patents or applications, including United States, foreign or international patent or applications, related to the foregoing by way of a priority claim; as well as any and all proprietary rights, Convention rights, and other benefits accruing or to accrue to me with respect to the filing and/or prosecuting applications for patents or securing patents in any and all jurisdictions, including the United

States, its territorial possessions, and any and all foreign countries.


Furthermore, I do hereby authorize and request the Commissioner of Patents and Trademarks to issue United States Letters Patent based upon said applications to said ASSIGNEE as the assignee of my entire right, title and interest to and in the same, for the sole use and behoof of said ASSIGNEE, its successors or assigns.

And I also hereby covenant and agree to sign all proper papers including divisional and other applications for patents and assignments thereof in the United States and applications for patents and assignments in all foreign countries, and to execute all rightful oaths and to take any other proper action that may in the judgment of the said ASSIGNEE be necessary to obtain and enforce full rights to said invention in any and all jurisdictions, including the United States, its territorial possessions and any and all foreign countries, all of the foregoing to be at the expense of said ASSIGNEE.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal on this 11th day of March 2014

  
\_\_\_\_\_  
Anatoly B. Grudinin

Executed by ASSIGNEE on this 11th day of March 2014

  
\_\_\_\_\_  
Anatoly B. Grudinin  
Managing Director  
Fianium, Ltd.

## ASSIGNMENT

THIS INSTRUMENT OF ASSIGNMENT WITNESSETH THAT:

WHEREAS, I, John R. Clowes, resident of Trefusis, Brownhill Road, New Milton, Hampshire, BH25 5TT, United Kingdom, have made the inventions described in US Patent Application No. 12/316,006, filed December 09, 2008, and entitled "Optical pulse sources", and in patents and applications claiming priority to the aforementioned, including, by way of example and not limitation, the following US Patent and Patent Applications:

Title	Country	Serial and/or Patent No.	Filing Date	Priority
Method For Illuminating A Sample With Supercontinuum Pulses	US	13/792,172	March 10, 2013	12/316,006
Variable Repetition Rate And Wavelength Optical Pulse Source	US	13/792,173	March 10, 2013	12/316,006
Method and Apparatus for Providing Supercontinuum Pulses	US	13/792,177	March 10, 2013	12/316,006
Supercontinuum Pulse Source	US	13/792,179	March 10, 2013	12/316,006
Flexible and Stable Supercontinuum Source	US	13/792,184	March 10, 2013	12/316,006

and WHEREAS, Fianium Ltd., a limited company of the United Kingdom, having a place of business at 20 Compass Point, Ensign Way, Hamble, Southampton, SO31 4RA, UK, (hereinafter "ASSIGNEE") desires to be the assignee of said inventions, said applications and any Patents to be issued therefrom;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt whereof is hereby acknowledged, I have sold, assigned and set over, and do hereby sell, assign and set over to said ASSIGNEE, its successors or assigns, the entire right, title and interest to and in said inventions in all jurisdictions, including the United States, its territorial possessions and all countries foreign to the United States (hereinafter "foreign countries"), said entire right, title and interest including the above-identified patent applications and any patents issuing therefrom; regular, continuation, continuation-in-part, divisional, reissue, or re-exam applications and patents of the foregoing; any other patents or applications, including United States, foreign or international patent or applications, related to any of the foregoing by way of a claiming priority thereto; as well as any and all proprietary rights, Convention rights, and other benefits accruing or to accrue to me with respect to the filing and/or prosecuting applications for patents or securing patents in any and all jurisdictions,

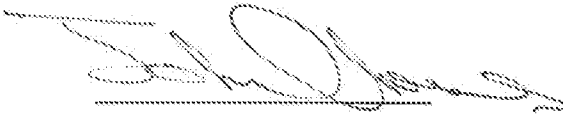
including the United States, its territorial possessions, and any and all foreign countries.

And, for the avoidance of doubt, further ac

Furthermore, I do hereby authorize and request the Commissioner of Patents and Trademarks to issue United States Letters Patent based upon said applications to said ASSIGNEE as the assignee of my entire right, title and interest to and in the same, for the sole use and behoof of said ASSIGNEE, its successors or assigns.

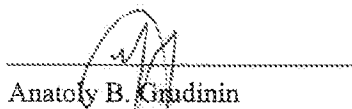
And I also hereby covenant and agree to sign all proper papers including divisional and other applications for patents and assignments thereof in the United States and applications for patents and assignments in all foreign countries, and to execute all rightful oaths and to take any other proper action that may in the judgment of the said ASSIGNEE be necessary to obtain and enforce full rights to said invention in any and all jurisdictions, including the United States, its territorial possessions and any and all foreign countries, all of the foregoing to be at the expense of said ASSIGNEE.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal on this 11th day of March 2014



John R. Clowes

Executed by ASSIGNEE on this 11th day of March 2014



Anatoly B. Gudin  
Managing Director  
Fianium, Ltd.