

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2979770

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANATOLY B GRUDININ	02/26/2014
IAN GODFREY	03/21/2014
JOHN CLOWES	02/26/2014
KESTUTIS VYSNIAUSKAS	03/28/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FIANIUM, LTD.
<b>Street Address:</b>	20 COMPASS POINT, ENSIGN WAY
<b>City:</b>	SOUTHAMPTON
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	SO31 4RA
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	8767287
<b>Application Number:</b>	13796966
<b>Application Number:</b>	13979640
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	peter.rainville@fianium.com
<b>Correspondent Name:</b>	PETER RAINVILLE
<b>Address Line 1:</b>	9 SCHOOL STREET UNIT 2
<b>Address Line 4:</b>	EAST GRANBY, CONNECTICUT 06026
<b>ATTORNEY DOCKET NUMBER:</b>	P723US-02/03
<b>NAME OF SUBMITTER:</b>	PETER RAINVILLE
<b>SIGNATURE:</b>	/Peter Rainville/
<b>DATE SIGNED:</b>	08/13/2014
<b>Total Attachments: 8</b>	
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source=Kestutis\_Assign\_P723US#page2.tif

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. 12/087,850, now US Patent 8,379,298, issued 19 February 2013, and entitled "High Power Short Optical Pulse Source", and in patents and applications claiming priority to the aforementioned US Patent 8,379, 298, 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 and Apparatus for Producing Short Optical Pulses	US	8,593,726 13/523,723	24 June 2012	12/087,850
Optical Pulse Apparatus and Method	US	13/796,966	March 12, 2013	13/523,723
Source of Optical Pulses	US	13/797,640	March 12, 2013	13/523,723
Optical Pulse Source	US	13/797,665	March 12, 2013	13/523,723


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.

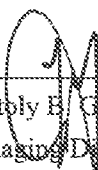
Furthermore, I do hereby authorize and request the Commissioner of Patents and Trademarks to issue United States Letters Patent based upon said applications to said ASSIGNEE as the assignee of my entire right, title and interest to and in the same, for the sole use and behoof of said ASSIGNEE, its successors 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  
..26.. day of ..February.. 2014

  
.....  
Anatoly B. Grudinin

Executed by ASSIGNEE on this ..26.. day of ..February.. 2014

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

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. 12/087,850, now US Patent 8,379,298, issued 19 February 2013, and entitled "High Power Short Optical Pulse Source", and in patents and applications claiming priority to the aforementioned US Patent 8,379, 298, including, by way of example and not limitation, the following US Patent and Patent Applications:

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Optical Pulse Source	US	13/797,663	March 12, 2013	13/523,723


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.

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IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal on this 21 day of MARCH 2014

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

Executed by ASSIGNEE on this 25 day of MARCH 2014

  
\_\_\_\_\_  
Anatoly V. Grudin  
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. 12/087,850, now US Patent 8,379,298, issued 19 February 2013, and entitled "High Power Short Optical Pulse Source", and in patents and applications claiming priority to the aforementioned US Patent 8,379, 298, including, by way of example and not limitation, the following US Patent and Patent Applications:

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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 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.

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IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal on this 26 day of February 2014



John R. Clowes

Executed by ASSIGNEE on this 26 day of February 2014



Anatoly B. Grudinin  
Managing Director  
Fianium, Ltd.



ASSIGNMENT

THIS INSTRUMENT OF ASSIGNMENT WITNESSETH THAT:

WHEREAS, I, Kestutis Vysniauskas, resident of 10 Lisa Court, Downsland Road, Basingstoke, Hampshire, RG21 8TU, United Kingdom, have made the inventions described in US Patent Application No. 12/087,850, now US Patent 8,379,298, issued 19 February 2013, and entitled "High Power Short Optical Pulse Source", and in patents and applications claiming priority to the aforementioned US Patent 8,379, 298, including, by way of example and not limitation, the following US Patent and Patent Applications:

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Optical Pulse Source	US	13/797,665	March 12, 2013	13/523,723

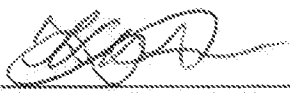
and WHEREAS, Fianium Ltd., a limited company of the United Kingdom, having a place of business at 20 Compass Point, Ensign Way, Hamble, Southampton, SO31 4RA, UK, (hereinafter "ASSIGNEE") desires to be the assignee of said inventions, said applications and any Letters Patent to be issued therefrom:

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 28 day of March 2014

  
Kestutis Vysniauskas

Executed by ASSIGNEE on this 01 day of April 2014

  
Anatoly B. Grudin  
Managing Director  
Fianium, Ltd.