

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2993476

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	JOHN R CLOWES	08/22/2014
	MICHAEL YARROW	08/22/2014
<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: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	13665093
<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>	FI-0120U	
<b>NAME OF SUBMITTER:</b>	PETER RAINVILLE	
<b>SIGNATURE:</b>	/Peter Rainville/	
<b>DATE SIGNED:</b>	08/22/2014	
<b>Total Attachments: 4</b>		
source=John Clowes Assignment FI-12OU#page1.tif		
source=John Clowes Assignment FI-12OU#page2.tif		
source=Mike Yarrow Assignment FI-12OU#page1.tif		
source=Mike Yarrow Assignment FI-12OU#page2.tif		

## 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 Provisional Patent Application Serial No. 61/554,460, entitled "Laser or Amplifier Optical Device Pumped or Seeded with Nonlinearly Generated Light", filed 1 November 2011, and in Great Britain Patent Application GB 1201902.2, entitled "Laser or Amplifier Optical Device Pumped or Seeded with Nonlinearly Generated Light", filed 3 February 2012, and in patents and applications claiming priority to the aforementioned, including, by way of example and not limitation, the following Patent and Patent Applications:

Title	Country	Serial and/or Patent No.	Filing Date	Priority
Laser or Amplifier Optical Device Pumped or Seeded with Nonlinearly Generated Light	US	13/655,093	31 October 2012	61/554,460 GB 1201902.2
Mit nichtlinear erzeugtem Licht gepumpte oder angeregte optische Verstärkungseinrichtung	DE	102012219977.2	31 October 2012	61/554,460 GB 1201902.2

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.

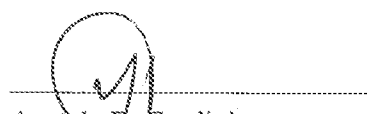
And I also hereby covenant and agree to sign all proper papers including divisional and other applications for patents and assignments thereof in the United States and applications for patents and assignments in all foreign countries, and to execute all rightful oaths and to take any other proper action 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 22nd day of August 2014



John R. Clowes

Executed by ASSIGNEE on this 22<sup>nd</sup> day of August 2014



Anatoly B. Grudinin  
Managing Director  
Pianium, Ltd.

## ASSIGNMENT

THIS INSTRUMENT OF ASSIGNMENT WITNESSETH THAT:

WHEREAS, I, Michael Yarrow, resident of Sunny Corner, Triangle Lane, Fareham, Hampshire, PO14 4HG, United Kingdom, have made the inventions described in US Provisional Patent Application Serial No. 61/554,460, entitled "Laser or Amplifier Optical Device Pumped or Seeded with Nonlinearly Generated Light", filed 1 November 2011, and in Great Britain Patent Application GB 1201902.2, entitled "Laser or Amplifier Optical Device Pumped or Seeded with Nonlinearly Generated Light", filed 3 February 2012, and in patents and applications claiming priority to the aforementioned, including, by way of example and not limitation, the following Patent and Patent Applications:

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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.

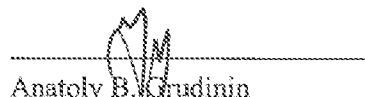
And I also hereby covenant and agree to sign all proper papers including divisional and other applications for patents and assignments thereof in the United States and applications for patents and assignments in all foreign countries, and to execute all rightful oaths and to take any other proper action 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 22<sup>nd</sup> day of August 2014



Michael Yarrow

Executed by ASSIGNEE on this 22nd day of August 2014



Anatoly B. Grudin  
Managing Director  
Fianium, Ltd.