

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2980299

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BRIAN BAIRD	09/01/2011
TIMOTHY GERKE	09/01/2011
RECEIVING PARTY DATA	
Name:	FIANIUM, LTD.
Street Address:	20 COMPASS POINT, ENSIGN WAY
City:	SOUTHAMPTON
State/Country:	UNITED KINGDOM
Postal Code:	SO31 4RA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13821009
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	peter.rainville@fianium.com
Correspondent Name:	PETER RAINVILLE
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Address Line 4:	EAST GRANBY, CONNECTICUT 06026
ATTORNEY DOCKET NUMBER:	FI-0106PWOUS
NAME OF SUBMITTER:	PETER RAINVILLE
SIGNATURE:	/Peter Rainville/
DATE SIGNED:	08/13/2014
Total Attachments: 4	
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source=Baird 09-01-2011#page2.tif	
source=Gerke 09-01-2011#page1.tif	
source=Gerke 09-01-2011#page2.tif	

ASSIGNMENT

THIS INSTRUMENT OF ASSIGNMENT WITNESSETH THAT:

WHEREAS, I, Brian W. Baird, resident of 1943 NW Irving Street, No. 301, Portland, Oregon, 97209, US, have made the inventions described below in the following United States and Great Britain Patent Applications:

Title	Country	Serial No.	Filing Date
Chalcopyrite-type Semiconductor Photovoltaic Device	US	61/480,320	28 April 2011
Methods and Apparatus for Patterning Photovoltaic Devices and Materials for Use with Such Devices	US	61/477,946	21 April 2011
Terraced Picosecond Laser Processing of Thin Film Photovoltaic Devices	US	61/460,386	31 Dec 2010
Picosecond Laser Beam Shaping Assembly and a Method of Shaping a Picosecond Laser Beam	GB	1014778.3	06 Sept 2010
Methods and Apparatus for Patterning Photovoltaic Devices and Materials for Use with Such Devices	US	61/380,306	06 Sept 2010

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 this 1st day of September, 2011.



Brian W. Baird

Executed by ASSIGNEE on this 5th day of SEPTEMBER



Anatoly B. Grudinin *Director Business Development*
Managing Director *John Cowles*
Fianium, Ltd.

ASSIGNMENT

THIS INSTRUMENT OF ASSIGNMENT WITNESSETH THAT:

WHEREAS, I, Timothy D. Gerke, resident of Apt. 15, 19500 Hidden Springs Road, West Linn, OR 97068, US, has made the inventions described below in the following United States and Great Britain Patent Applications:

Title	Country	Serial No.	Filing Date
Chalcopyrite-type Semiconductor Photovoltaic Device	US	61/480,320	28 April 2011
Methods and Apparatus for Patterning Photovoltaic Devices and Materials for Use with Such Devices	US	61/477,946	21 April 2011
Terraced Picosecond Laser Processing of Thin Film Photovoltaic Devices	US	61/460,386	31 Dec 2010
Picosecond Laser Beam Shaping Assembly and a Method of Shaping a Picosecond Laser Beam	GB	1014778.3	06 Sept 2010
Methods and Apparatus for Patterning Photovoltaic Devices and Materials for Use with Such Devices	US	61/380,306	06 Sept 2010

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 this 1st day of September, 2011.



Timothy D. Gerke

Executed by ASSIGNEE on this 5th day of SEPTEMBER.



Anatoly B. Grudinin
Managing Director
Finnium, Ltd.

Jonas Lewné
Director - Business Development
Finnium Ltd