

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | |
|--|---------------------------------------|---------------|----------------|---------------------|------------|-------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | |
| CONVEYING PARTY DATA | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ARTHUR LOWERY</td> <td>11/13/2013</td> </tr> <tr> <td>LIANG BANGYUAN DU</td> <td>11/10/2013</td> </tr> </tbody> </table> | | Name | Execution Date | ARTHUR LOWERY | 11/13/2013 | LIANG BANGYUAN DU | 11/10/2013 |
| Name | Execution Date | | | | | | |
| ARTHUR LOWERY | 11/13/2013 | | | | | | |
| LIANG BANGYUAN DU | 11/10/2013 | | | | | | |
| RECEIVING PARTY DATA | | | | | | | |
| Name: | OFIDIUM PTY. LTD. | | | | | | |
| Street Address: | LEVEL 9, 255 BOURKE STREET | | | | | | |
| Internal Address: | MELBOURNE | | | | | | |
| City: | VICTORIA | | | | | | |
| State/Country: | AUSTRALIA | | | | | | |
| Postal Code: | 3000 | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14002856</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 14002856 | | |
| Property Type | Number | | | | | | |
| Application Number: | 14002856 | | | | | | |
| CORRESPONDENCE DATA | | | | | | | |
| Fax Number: | (215)568-3439 | | | | | | |
| Phone: | 215-568-3100 | | | | | | |
| Email: | assignments@woodcock.com | | | | | | |
| <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> | | | | | | | |
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| Address Line 1: | CIRA CENTRE, 12TH FLOOR | | | | | | |
| Address Line 2: | 2929 ARCH STREET | | | | | | |
| Address Line 4: | PHILADELPHIA, PENNSYLVANIA 19104-2891 | | | | | | |
| ATTORNEY DOCKET NUMBER: | WATE-0054 | | | | | | |
| NAME OF SUBMITTER: | VALERIE CHICCHI | | | | | | |
| Signature: | /Valerie Chicchi/ | | | | | | |

Date:

11/18/2013

Total Attachments: 4

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DOCKET NO.: WATE-0054

ASSIGNMENT

WHEREAS, I, Arthur Lowery a citizen of Australia, residing at 136 Derby Street, Kew, Victoria, 3101,

Australia, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number WATE-0054 ("the invention"), which is entitled **IMPROVEMENTS IN OPTICAL OFDM TRANSMISSION** ("the subject application"), and which claims priority to Australian patent application number 2011900729 filed March 3, 2011 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, Ofidium Pty Ltd, ASSIGNEE, having a place of business at Level 9, 255 Bourke Street, Melbourne, Victoria 3000, Australia, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming

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the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 13TH day of NOVEMBER, year of 2013

Arthur Lowery
Arthur Lowery

STATEMENT OF WITNESS

SIGNED at HAWTHORN AUSTRALIA

(City) (Country)

This 13th day of November, 2013.

I, Mark Adam Summerfield whose full
residence address is 136 EMMAINE ST, NORTHCOLE,
VICTORIA, AUSTRALIA

was personally present and did see ARTHUR LOWERY execute the above assignment on the
13th day of November, 2013, and such assignor is personally known to me to be the
person described in such document.

[Signature]

Signature of Witness

ASSIGNMENT

WHEREAS, I, **Liang Bangyuan Du**, a citizen of **Australia**, residing at **c/o Department of Electrical and Computer Systems Engineering, P.O. Box 35, Monash University, Clayton, Victoria 3800, Australia**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **WATE-0054** ("the invention"), which is entitled **IMPROVEMENTS IN OPTICAL OFDM TRANSMISSION** ("the subject application"), and which claims priority to **Australian** patent application number **2011900729** filed **March 3, 2011** ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Ofidium Pty Ltd**, ASSIGNEE, having a place of business at **Level 9, 255 Bourke Street, Melbourne, Victoria 3000, Australia**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

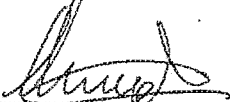
AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming

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the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 10th day of November, year of 2013.



Liang Bangyan Du

STATEMENT OF WITNESS

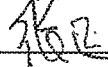
SIGNED at Menlo Park USA

(City) (Country)

This 10th day of November, 2013.

I, Zheng Zhang whose full
residence address is 350 ^{Sharon St} ~~Sharon St~~ Park Drive,
Menlo Park, CA, USA, 94025

was personally present and did see Liang Du execute the above assignment on the 10th day of November, 2013, and such assignor is personally known to me to be the person described in such document.



Signature of Witness