505274812 01/11/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YING HUANG	01/12/2018
TSUNG-YANG LIOW	01/12/2018

RECEIVING PARTY DATA

Name:	RAIN TREE PHOTONICS PTE. LTD.	
Street Address:	8 EU TONG SEN STREET	
Internal Address:	#14-94, THE CENTRAL	
City:	SINGAPORE	
State/Country:	SINGAPORE	
Postal Code:	059818	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16245820

CORRESPONDENCE DATA

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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.

Phone: 937-449-6400

Email: denise.suter@dinsmore.com **Correspondent Name: DINSMORE & SHOHL LLP**

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Address Line 2: **SUITE 1300**

Address Line 4: DAYTON, OHIO 45402-2023

ATTORNEY DOCKET NUMBER:	RNT 0005 PA-SP100450US	
NAME OF SUBMITTER:	DENISE A. SUTER	
SIGNATURE:	/Denise A. Suter/	
DATE SIGNED:	01/11/2019	

Total Attachments: 2

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> **PATENT** REEL: 047969 FRAME: 0111

505274812

ASSIGNMENT

WHEREAS, We,

HUANG, Ying, a Singapore citizen, located at 82 Playfair Road, #03-01, D'Lithium, Singapore 368001; and

LIOW, Tsung-Yang, a Singapore citizen, located at 82 Playfair Road, #03-01, D'Lithium, Singapore 368001; (hereinafter "Assignors"), made certain new and useful inventions and improvements (hereinafter "Inventions and Improvements") that have been documented in a specification entitled "EDGE COUPLER APPARATUS AND METHOD FOR INTER-CHIP PASSIVE OPTICAL ALIGNMENT"; for which We have executed application for patent in the United States (hereinafter "Application")

filed on 12 January 2018 under serial numbers 62616441;

AND WHEREAS, Rain Tree Photonics Pte. Ltd., a corporation organized and existing under and by virtue of the laws of Singapore, and having an office and place of business at 8 Eu Tong Sen Street, #14-94, The Central, Singapore 059818 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said Inventions and Improvements and said Application and in and to the patent to be obtained therefrom;

NOW THEREFORE, to all whom it may concern, be it known that in consideration of One Dollar (USD 1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, We have sold, assigned, and transferred, and by these present do sell, assign and transfer unto said Assignee, its successors, legal representatives or assigns, the entire right, title and interest for all countries in and to all inventions disclosed in said Application, and in and to the said Application, all divisions, continuations or renewals thereof, all patents which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any country or countries foreign to the United States for patents on said Inventions and Improvements, including an assignment of all rights under the provisions of the International Convention, and all patents of any country or countries foreign to the United States which may be granted therefrom; and We do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue any and all United States Patents, and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue any and all patents, for the said Inventions and Improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of said Assignee, its successors, legal representatives and assigns.

AND, for the consideration aforesaid, We do hereby agree that We and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors, legal representatives and assigns all facts known to us relating to said Inventions and Improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors, legal representatives or assigns the entire right, title and interest in and to the said Inventions and Improvements, Application, patents, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore We covenant and agree with said Assignee, its successors, legal representatives or assigns, that no assignment, grant, mortgage license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

SIGNED this 12^{th} day of $\frac{Jan}{(month)}$, $\frac{2018}{(year)}$ in $\frac{--}{(city)}$, $\frac{Singapore}{(country)}$

Assignor:

HUANG, Ying Address: 82 Playfair Road, #03-01, D'Lithium,

Singapore 368001.

Assignor:

LIOW, Tsung-Yang
Address: 82 Playfair Road, #03-01, D'Lithium,

Singapore 368001.

Assignee:

Rain Tree Photonics Pte. Ltd.

Address: 8 Eu Tong Sen Street, #14-94, The Central,

Singapore 059818.

Name Printed: HUANG, Ying

Title: Director

PATENT REEL: 047969 FRAME: 0113

RECORDED: 01/11/2019