504813022 03/09/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4859756

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOM BAEHR-JONES	04/14/2014
YANG LIU	03/12/2014
RAN DING	04/13/2014

RECEIVING PARTY DATA

Name:	SILICON LIGHTWAVE SERVICES, LLC
Street Address:	51 EAST MAIN STREET
Internal Address:	SUITE 220
City:	NEWARK
State/Country:	DELAWARE
Postal Code:	19711

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15916557

CORRESPONDENCE DATA

Fax Number: (312)977-4405

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: 3129774400

Email: smonreal@nixonpeabody.com

NIXON PEABODY LLP **Correspondent Name:** Address Line 1: 70 W. MADISON ST.

Address Line 2: **SUITE 3500**

Address Line 4: CHICAGO, ILLINOIS 60602

ATTORNEY DOCKET NUMBER:	074381-000003USC2	
NAME OF SUBMITTER:	STEPHEN G. RUDISILL	
SIGNATURE:	/Stephen G. Rudisill - Reg. No. 20,087/	
DATE SIGNED:	03/09/2018	

Total Attachments: 4

504813022

source=074381-000003USC2 Assignment Inventors to SLS#page1.tif source=074381-000003USC2 Assignment Inventors to SLS#page2.tif

> **PATENT REEL: 045160 FRAME: 0282**

source=074381-000003USC2 Assignment Inventors to SLS#page3.tif source=074381-000003USC2 Assignment Inventors to SLS#page4.tif

PATENT REEL: 045160 FRAME: 0283

JOINT ASSIGNMENT

WE, Tom Baehr-Jones, Yang Liu, and Ran Ding, believe that we are the inventors of the subject matter disclosed in the application for patent (hereinafter "the invention or inventions") identified herein as

OPERATION AND STABILIZATION OF MOD-MUX WDM TRANSMITTERS BASED ON SILICON MICRORINGS

and further identified by Attorney Docket Number SLS-0003PRO which application for patent was filed on October 15, 2013 and has been assigned Serial No. 61/891,025 by the United States Patent and Trademark Office.

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which is hereby acknowledged, each of the undersigned agrees to assign, and hereby does assign, transfer and set over to SILICON LIGHTWAVE SERVICES, LLC, a limited liability company organized under the laws of the State of Delaware, and having a principal place of business at 51 East Main Street, Suite 220, Newark, DE 19711 (hereinafter designated as the Assignee) his or her entire right, title and interest in the invention or inventions as represented by the application for patent identified herein (the 'application") in the United States, its territories, dependencies and possessions, his or her entire right, title, and interest in the application, and his or her entire right, title and interest in the invention or inventions as regards all other national jurisdictions and international entities that have the power to grant patents, wherever situated, including without limitation all applications for patent which claim priority to and/or the benefit of the subject matter disclosed in the application for patent identified herein, including any provisional application, utility application, design application, and/or plant application, as well as any continuation application, divisional application, continuation-in-part application, reissue application, reexamination application, patent interference proceeding, foreign national application and/or any application filed or to be filed under a patent treaty such as the International Convention for Protection of Industrial Property and/or the Patent Cooperation Treaty, and any Letters Patent which may be granted therefor in any jurisdiction.

In addition to the above assignment, each of the undersigned agrees to execute all papers necessary in connection with the application and any continuing applications, divisional applications, or continuations-in-part thereof, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

Each of the undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

Each of the undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Each of the undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

PATENT REEL: 045160 FRAME: 0284 Joint Assignment

US Serial No.: 61/891,025 Date Filed: October 15, 2013

Attorney Docket No.: SLS-0003PRO

Each of the undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.

Each of the undersigned hereby grants to any duly empowered legal representative, including all patent practitioners associated with Customer Number 88993, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or with the rules of any other national or international Patent Office for recordation of this document or a true copy thereof.

In witness whereof, this instrument has been executed by the undersigned on the date opposite the respective name of the undersigned.

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither is available, then it should be signed before at least two witnesses.

30 0 l

		Take To the
Date: 4/14/14	Signature:	(SEAL)
	T	Tom Baehr-Jones
STATE OF DELAWARE)	
COUNTY OF):	SS.:
On this day of		, 201_, before me personally came Ton
	lown to me to be the	e person described in and who executed the
	Notary P	Public

one Assignment JS Serial No.: 61/891,025 Date Filed: October 15, 2013 Attorney Docket No.: SLS-0003PRO)		
Date: 3/12/2014 California STATE OF DELLAWARE	Signature: _	Yang Liu	(SEAL)
COUNTY OF San Francisco))ss.:	
On this day of Yang Liu to me known and known twithin instrument and he/she acknown	to me to be th	ie person described in and who	o executed the
	Nota	nry Public	
Date:	Signature:	Ran Ding	(SEAL)
STATE OF DELAWARE COUNTY OF))ss.:	
On this day of Ding to me known and known to me instrument and he/she acknowledged	to be the pe		
	Not	ary Public	

Joint Assignment US Serial No.: 61/891,025 Date Filed: October 15, 20 Attorney Docket No.: SLS			
Date:	Signature: _	Yang Liu	(SEAL)
		Yang Liu	
STATE OF DELAWARE COUNTY OF))ss.:	
On this day Yang Liu to me known and within instrument and he/sh	ne acknowledged to me	e person described in that he/she executed	and who executed the the same.
Date: 4/13/2014	Signature: _	Ran Ding	(SEAL)
STATE OF DELAWARE COUNTY OF))ss.:	
On this day Ding to me known and kno instrument and he/she ackn	wn to me to be the pers	son described in and	

3

Notary Public