

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5523134

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CALIX, INC 100 HEADQUARTERS DR SAN JOSE, CA 95134 previously recorded on Reel 049056 Frame 0068. Assignor(s) hereby confirms the CALIX, INC 2777 ORCHARD PARKWAY SAN JOSE, CA 95134.

CONVEYING PARTY DATA

Name	Execution Date
CALIX, INC	12/27/2016

RECEIVING PARTY DATA

Name:	CALIX, INC
Street Address:	2777 ORCHARD PARKWAY
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16389883

CORRESPONDENCE DATA

Fax Number: (669)284-3172
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: 6692636173
Email: gloriacao@jwlawgroup.com
Correspondent Name: JAMES M WU
Address Line 1: 1945 CONCOURSE DR
Address Line 4: SAN JOSE, CALIFORNIA 95131

ATTORNEY DOCKET NUMBER:	1153.P0001D2
NAME OF SUBMITTER:	GLORIA CAO
SIGNATURE:	/GLORIA CAO/
DATE SIGNED:	05/14/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5503263

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GILBERT LEVESQUE	12/27/2016
NIRMAL S VIRDEE	12/27/2016
RECEIVING PARTY DATA	
Name:	CALIX, INC
Street Address:	100 HEADQUARTERS DR
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16389883
CORRESPONDENCE DATA	
Fax Number:	(669)284-3132
<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>	
Phone:	6692636173
Email:	gloriacao@jwlawgroup.com
Correspondent Name:	JAMES M WU
Address Line 1:	1945 CONCOURSE DR
Address Line 4:	SAN JOSE, CALIFORNIA 95131
ATTORNEY DOCKET NUMBER:	1153.P0001D2
NAME OF SUBMITTER:	GLORIA CAO
SIGNATURE:	/GLORIA CAO/
DATE SIGNED:	05/01/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, we, Gilbert Levesque, a citizen of the United States, residing at 3145 Emerson Street Palo Alto, CA 94306, USA, and Nirmal S. Virdee, a citizen of United States, residing at 26874 N. 90th Avenue, Peoria, AZ 85383, USA, have made an invention in:

METHODS AND APPARATUS FOR IMPROVING RELIABILITY OF AN OPTICAL DEVICE USING AUXILIARY LASERS IN A PHOTONIC INTEGRATED CIRCUIT

for which we have executed application papers for a U.S. patent thereon; and

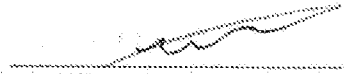
WHEREAS, Calix, Inc., a Delaware Corporation, having a place of business located at 100 Headquarters Drive, San Jose, CA 95134, USA, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefore in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Gilbert Levesque and Nirmal S. Virdee do sell, assign, transfer and set over unto said Calix, Inc., its successors and assigns the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefore, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Calix San Jose, Inc., its successors and assigns, in accordance with this Assignment. IN TESTIMONY WHEREOF, we have hereunto signed our names on the date indicated hereinafter:

Re: U.S. Patent Application entitled:

**METHODS AND APPARATUS FOR IMPROVING RELIABILITY OF AN
OPTICAL DEVICE USING AUXILIARY LASERS IN A PHOTONIC
INTEGRATED CIRCUIT**

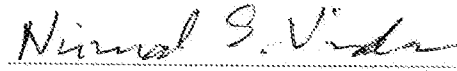
1) Inventor: **Gilbert Levesque**

Signature:  Date: Dec 27, 2016
Gilbert Levesque

Witness: _____ Date: _____

Witness: _____ Date: _____

2) Inventor: **Nirmal S. Virdee**

Signature:  Date: Dec 27, 2016
Nirmal S. Virdee

Witness: _____ Date: _____

Witness: _____ Date: _____