503639234 01/07/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MORGAN CHEN	12/14/2015
QIANFAN XU	12/16/2015
HUNGYI LEE	12/15/2015
YIFAN GU	12/15/2015
LIANG GU	12/15/2015
YEN DANG	12/28/2015
GONG LEI	12/15/2015
YUMING CAO	12/15/2015
XIAO SHEN	01/04/2016
YU SHENG BAI	12/14/2015

RECEIVING PARTY DATA

Name:	Futurewei Technologies, Inc.
Street Address:	5340 Legacy Drive
Internal Address:	Suite 175
City:	Plano
State/Country:	TEXAS
Postal Code:	75024

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14989966

CORRESPONDENCE DATA

Fax Number: (972)731-2289

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: 972-731-2288

Email: dallaspatents@dfw.conleyrose.com

Correspondent Name: GRANT RODOLPH

Address Line 1: 5601 GRANITE PARKWAY, SUITE 500

Address Line 4: PLANO, TEXAS 75024-6616

PATENT REEL: 037432 FRAME: 0249

503639234

ATTORNEY DOCKET NUMBER:	4502-01801 (84541794US02)	
NAME OF SUBMITTER:	JONATHAN K. POLK	
SIGNATURE:	/Jonathan K. Polk/	
DATE SIGNED:	01/07/2016	
Total Attachments: 7		
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source=4502-01801_Filed_Assignment#page6.tif		
source=4502-01801_Filed_Assignment#page7.tif		

WHEREAS, I/We, the undersigned inventor(s) (or one of the undersigned joint inventors), of residence as listed below, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, Futurewei Technologies, Inc. ("Assignee"), a corporation organized and existing under the laws of Texas, with its principal office at 5340 Legacy Drive, Suite 175, Plano, TX 75024 is desirous of acquiring my/our entire right, title and interest in the said invention, and to the said application and any Letters Patent that may issue thereon in the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we will assign, and hereby assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive right, title and interest in and to the invention in the United States and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisional, reissues, reexaminations, National Phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and I/we do hereby authorize and request the Commissioner for Patents to issue U.S. patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the Assignee agreeably with the terms of this assignment document.

I also hereby agree to sell and to assign, and sell and assign to Assignee, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the terms of the International Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to Assignee, or its successors, assigns, and legal representative, any facts known to me respecting said invention or the file history thereof, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid such Futurewei, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

Futurewei Technologies, Inc. Patent Reference No. 84541794US02 Conley Rose File: 4502-01801 Page 1 of 3

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

Title of Invention	,	Digital Generation of Multi-Level Phase Shifting with a Mach-Zehnder Modulator (MZM)	
water and the second	Appl. No.	Filing Date:	
	14/989,966	January 7, 2016	
Signature of Inventor	my de		
Inventor Name	Morgan Chen	Liang Gu	
Date	12/14/15		
Residence (City/State)	San Jose, California	San Jose, California	
Signature of Inventor			
Inventor Name	Qianfan Xu	Yen Dang	
Date		* *	
Residence (City/State)	San Jose, California	San Jose, California	
Signature of Inventor			
Inventor Name	Hungyi Lee	Gong Lei	
Date			
Residence (City/State)	Cupertino, California	Sunnyvale, California	
Signature of Inventor			
Inventor Name	Yifan Gu	Yuming Cao	
Date			
Residence (City/State)	Santa Clara, California	Pleasanton, California	

Futurewei Technologies, Inc. Patent Reference No. 84541794US02 Conley Rose File: 4502-01801

Page 2 of 3

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Signature of Inventor		
Inventor Name	Morgan Chen	Liang Gu
Date		
Residence (City/State)	San Jose, California	San Jose, California
Signature of Inventor	ass	
Inventor Name	Qianfan Xu	Yen Dang
Date	12/16/2015	
Residence (City/State)	San Jose, California	San Jose, California
Signature of Inventor		
Inventor Name Date	Hungyi Lee	Gong Lei
Residence		
(City/State)	Cupertino, California	Sunnyvale, California
Signature of Inventor		
Inventor Name	Yifan Gu	Yuming Cao
Date		
Residence (City/State)	Santa Clara, California	Pleasanton, California

Futurewei Technologies, Inc. Patent Reference No. 84541794US02 Conley Rose File: 4502-01801 Page 2 of 3

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Signature of		
Inventor		Colle
Inventor Name	Morgan Chen	Liang Gu
Date		12/15/2015
Residence (City/State)	San Jose, California	San Jose, California
Signature of		
Inventor	TIP	
Inventor Name	Qianfan Xu	Yen Dang
Date		
Residence (City/State)	San Jose, California	San Jose, California
Signature of Inventor	To the Think	* the second sec
Inventor Name	Hungyi Lee	/ Gong Ldi
Date	12/15/2015	1/2/15/2015
Residence (City/State)	Cupertino, California	Sunnyvale, California
Signature of		
Inventor	n/2	(Salta)
Inventor Name	Yifan Gu	Yuming Cao
Date	12/15/2015	12/15/2015
Residence (City/State)	Santa Clara, California	Pleasanton, California

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	Appl. No.	Filing Date:
	14/989,966	January 7, 2016
Signature of		
Inventor		
Inventor Name	Morgan Chen	Liang Gu
Date		
Residence (City/State)	San Jose, California	San Jose, California
Signature of		
Inventor		
Inventor Name	Qianfan Xu	Yen Dang
Date		12/28, 2015
Residence (City/State)	San Jose, California	San Jose, California
Signature of Inventor		Genday
Inventor Name	Hungyi Lee	Gong Ler
Date		
Residence (City/State)	Cupertino, California	Sunnyvale, California
Signature of Inventor		
Inventor Name	Yifan Gu	Yuming Cao
Date		
Residence (City/State)	Santa Clara, California	Pleasanton, California

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	Appl. No. 14/989,966	Filing Date: January 7, 2016
Signature of Inventor	Allin	
Inventor Name	Xiao Shen	
Date	1/4/2016	
Residence (City/State)	San Bruno, California	
Signature of Inventor		
Inventor Name	Yu Sheng Bai	
Date		
Residence (City/State)	Los Altos Hills, California	

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Page 3 of 3

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	Appl. No. 14/989,966	Filing Date: January 7, 2016
Signature of Inventor	`	
Inventor Name	Xiao Shen	
Date		
Residence (City/State)	San Bruno, California	
Signature of Inventor	ysk g Bai	
Inventor Name	Yu Sheng Bai	
Date	12/14/2015	
Residence (City/State)	Los Altos Hills, California	

Futurewei Technologies, Inc. Patent Reference No. 84541794US02 Conley Rose File: 4502-01801

RECORDED: 01/07/2016

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