

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3677757

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MURALI KRISHNAN	11/05/2015
QING GUO	11/05/2015
SAMINA CHOWDHURY	11/05/2015
FEI ZHU	11/06/2015
YU SHENG BAI	11/05/2015
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:	14954473
CORRESPONDENCE DATA	
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<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:	972-731-2288
Email:	dallaspatents@dfw.conleyrose.com
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Address Line 4:	PLANO, TEXAS 75024-6616
ATTORNEY DOCKET NUMBER:	4502-11800 (84592947US01)
NAME OF SUBMITTER:	JONATHAN K. POLK
SIGNATURE:	/Jonathan K. Polk/
DATE SIGNED:	12/31/2015
Total Attachments: 3	

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PATENT

REEL: 037388 FRAME: 0594

ASSIGNMENT

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.

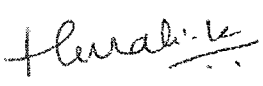
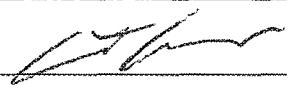
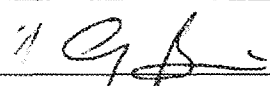

I hereby further agree that I will communicate to Assignee, or its successors, assigns, and legal representative, any facts known to me respecting said invention or the file history thereof, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute 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. 84592947US01
Conley Rose File: 4502-11800

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ASSIGNMENT

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

Title of Invention	Frequency Domain Optical Channel Estimation	
	Appl. No. 14/954,473	Filing Date: November 30, 2015
Signature of Inventor		
Inventor Name	Murali Krishnan	Fei Zhu
Date	11/5/2015	
Residence (City/State)	San Diego, California	San Jose, California
Signature of Inventor		
Inventor Name	Qing Guo	Yu Sheng Bai
Date	Nov 5, 2015	11/5/2015
Residence (City/State)	Dublin, California	Los Altos Hills, California
Signature of Inventor		
Inventor Name	Samina Chowdhury	
Date	11/5/2015	
Residence (City/State)	San Jose, California	

ASSIGNMENT

aid such Futurewei, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

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

Title of Invention	Frequency Domain Optical Channel Estimation	
	Appl. No. 14/954,473	Filing Date: November 30, 2015
Signature of Inventor		
Inventor Name	Murali Krishnan	Fei Zhu
Date		<i>L. Zhu</i> 11/06/2015
Residence (City/State)	San Diego, California	Coral Gables, Florida
Signature of Inventor		
Inventor Name	Qing Guo	Yu Sheng Bai
Date		
Residence (City/State)	Dublin, California	Los Altos Hills, California
Signature of Inventor		
Inventor Name	Samina Chowdhury	
Date		
Residence (City/State)	San Jose, California	

Futurewei Technologies, Inc.
Patent Reference No. 84592947US01
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