

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3542134

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LINGZHI LIU	08/19/2015
CHANGCAI LAI	08/21/2015
JIANHUA ZHENG	08/03/2015
CHEN-XIONG ZHANG	07/06/2015
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:	13495899
CORRESPONDENCE DATA	
Fax Number:	(972)731-2289
<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
Correspondent Name:	GRANT RODOLPH
Address Line 1:	5601 GRANITE PARKWAY, SUITE 500
Address Line 4:	PLANO, TEXAS 75024-6616
ATTORNEY DOCKET NUMBER:	4194-44701 (83210454US02)
NAME OF SUBMITTER:	WILLIAM H. DIETRICH
SIGNATURE:	/William H. Dietrich/
DATE SIGNED:	09/25/2015
Total Attachments: 5	
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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;

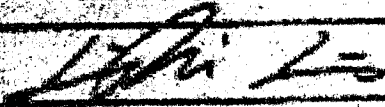
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we will assign, and hereby assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive right, title and interest in and 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.

ASSIGNMENT

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

Simplified Bilateral Extra Smoothing Filter		
	Appl. No. 12,495,199	Filing Date: June 12, 2012
Inventor(s)		
Inventor Name	Guohua Li	Nian Ling
Inventor Address	San Jose, California	San Jose, California
Signature of Inventor		
Inventor Name	Liang Li	Jiehua Zhang
Date	08-19-2012	
Inventor Address	San Jose, California	Shenzhen, China
Inventor Address		
Inventor Name	Chengxi Lai	Chen-Xiong Zhang
Date		
Inventor Address	Shenzhen, China	Plano, Texas

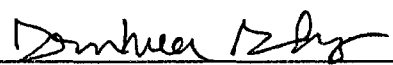
ASSIGNMENT

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

Title of Invention	Simplified Bilateral Intra Smoothing Filter	
	Appl. No. 13/495,899	Filing Date: June 13, 2012
Signature of Inventor		
Inventor Name	Guichun Li	Nam Ling
Date		
Residence (City/State)	Santa Clara, California	San Jose, California
Signature of Inventor		
Inventor Name	Lingzhi Liu	Jianhua Zheng
Date		
Residence (City/State)	San Jose, California	Shenzhen, China
Signature of Inventor	<i>Changcai Lai</i>	
Inventor Name	Changcai Lai	Chen-Xiong Zhang
Date	<i>August, 21, 2015</i>	
Residence (City/State)	Shenzhen, China	Plano, Texas

ASSIGNMENT

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

Title of Invention	Simplified Bilateral Intra Smoothing Filter	
	Appl. No. 13/495,899	Filing Date: June 13, 2012
Signature of Inventor		
Inventor Name	Guichun Li	Nam Ling
Date		
Residence (City/State)	Santa Clara, California	San Jose, California
Signature of Inventor		
Inventor Name	Lingzhi Liu	Jianhua Zheng
Date		Aug 3, 2015
Residence (City/State)	San Jose, California	Shenzhen, China
Signature of Inventor		
Inventor Name	Changcai Lai	Chen-Xiong Zhang
Date		
Residence (City/State)	Shenzhen, China	Plano, Texas

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

Title of Invention	Simplified Bilateral Intra Smoothing Filter	
	Appl. No. 13/495,899	Filing Date: June 13, 2012
Signature of Inventor		
Inventor Name	Guichun Li	Nam Ling
Date		
Residence (City/State)	Santa Clara, California	San Jose, California
Signature of Inventor		
Inventor Name	Lingzhi Liu	Jianhua Zheng
Date		
Residence (City/State)	San Jose, California	Shenzhen, China
Signature of Inventor		
Inventor Name	Changcai Lai	Chen-Xiong Zhang
Date		7/6/2015
Residence (City/State)	Shenzhen, China	Plano, Texas