

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3567043

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ORIGINAL ASSIGNMENT HAS INCORRECT FIRST NAME OF CHEN-XIONG ZHANG AS "PHILIPP" previously recorded on Reel 031184 Frame 0986. Assignor(s) hereby confirms the ASSIGNS APPL. NO. 13/744,827 FILED JANUARY 18, 2013.	
RESUBMIT DOCUMENT ID:	503496901	
CONVEYING PARTY DATA		
	Name	Execution Date
	CHEN-XIONG ZHANG	05/06/2015
RECEIVING PARTY DATA		
Name:	FUTUREWEI TECHNOLOGIES, INC.	
Street Address:	2330 CENTRAL EXPRESSWAY	
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95050	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	13744827
CORRESPONDENCE DATA		
Fax Number:		
<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:	408-330-4612	
Email:	cheryl.franke@huawei.com	
Correspondent Name:	CHERYL FRANKE	
Address Line 1:	2330 CENTRAL EXPRESSWAY	
Address Line 2:	IPR	
Address Line 4:	SANTA CLARA, CALIFORNIA 95050	
ATTORNEY DOCKET NUMBER:	83399737US02	
NAME OF SUBMITTER:	CHERYL FRANKE	
SIGNATURE:	/Cheryl Franke/	
DATE SIGNED:	10/13/2015	
Total Attachments: 8		
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PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Lingzhi Liu	02/24/2013
Jianhua Zheng	02/21/2013
Philipp Zhang	02/21/2013
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:	13744827

CORRESPONDENCE DATA	
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Email:	dallaspatents@dfw.conleyrose.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Grant Rodolph
Address Line 1:	5601 Granite Parkway, Suite 500
Address Line 4:	Plano, TEXAS 75024-6616
ATTORNEY DOCKET NUMBER:	4194-52301 (83399737US02)
NAME OF SUBMITTER:	Brandt D. Howell
Signature:	/Brandt D. Howell/
Date:	09/11/2013
Total Attachments: 3 source=4194-52301_Signed_Assignment_Liu_Zheng_Zhang#page1.tif source=4194-52301_Signed_Assignment_Liu_Zheng_Zhang#page2.tif source=4194-52301_Signed_Assignment_Liu_Zheng_Zhang#page3.tif	
RECEIPT INFORMATION	
EPAS ID:	PAT2536010
Receipt Date:	09/11/2013
Fee Amount:	\$40

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ASSIGNMENT

WHEREAS, the Undersigned has invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Futurewei Technologies, Inc. (hereinafter referred to as "Assignee"), a corporation organized and existing under the laws of the State of Texas, United States of America, Assignee, having its principal office and place of business at 5340 Legacy Drive, Suite 175, Plano, Texas 75024, desires to acquire the Undersigned's entire right, title and interest in and to the invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the Undersigned:

Hereby sells, assigns and transfers to Assignee, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, Application No. 13/744,827 filed January 18, 2013 or, if not identified here by filing date and application number, executed by me on even date, entitled:

Simplification of Mode Dependent Intra Smoothing

and in and to said application and all applications that claim priority to said Application No. 13/744,827 and all provisional, non-provisional, divisional, continuing, continuations-in-part, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all utility models, industrial models, certificates of invention, and designs on said improvements;

Agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the Undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications, and all other like rights of exclusion in any country on any and all said improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known to the Undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Agrees that the Undersigned will upon request of Assignee, render prompt assistance and cooperation in the prosecution of legal proceedings involving said improvements, said applications and patents granted thereon, including reexaminations, reissues, interferences, priority contests, public use proceedings and court proceedings, and testify in such proceedings if requested, provided, however, that the expense which may be incurred by the Undersigned in lending such assistance and cooperation be paid by Assignee; and

Covenants with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the Undersigned, except as set forth below, and that full right to convey the same as herein expressed is possessed by the Undersigned.

This assignment shall be binding on the heirs and legal representatives of the Undersigned.

Full name of first inventor: Lingzhi Liu
Residence Address: 3087 Delta Road
 San Jose, California 95135

Citizenship: China



Lingzhi Liu

02-24-2013

(Date)

Full name of second inventor: Jianhua Zheng

Residence Address: 3-302D KuiKe Building, No. 9 Xixi Road, Shang-Di
Information Industry Base
Hai-Dian District, Beijing, China 100082

Citizenship: China

Jianhua Zheng
Jianhua Zheng

2/21/2013
(Date)

Full name of third inventor: Philipp Zhang
Residence Address: 2812 Barlow Ct
Plano, Texas 75025
Citizenship: China

Philipp Zhang
Philipp Zhang

2/21/2013
(Date)

ASSIGNMENT

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Simplification of Mode Dependent Intra Smoothing

and in and to said application and all applications that claim priority to said Application No. 13/744,827 and all provisional, non-provisional, divisional, continuing, continuations-in-part, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all utility models, industrial models, certificates of invention, and designs on said improvements;

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Agrees that the Undersigned will upon request of Assignee, render prompt assistance and cooperation in the prosecution of legal proceedings involving said improvements, said applications and patents granted thereon, including reexaminations, reissues, interferences, priority contests, public use proceedings and court proceedings, and testify in such proceedings if requested, provided, however, that the expense which may be incurred by the Undersigned in lending such assistance and cooperation be paid by Assignee; and

Covenants with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the Undersigned, except as set forth below, and that full right to convey the same as herein expressed is possessed by the Undersigned.

This assignment shall be binding on the heirs and legal representatives of the Undersigned.

Full name of first inventor:	Lingzhi Liu
Residence Address:	3087 Delta Road San Jose, California 95135
Citizenship:	China

Lingzhi Liu

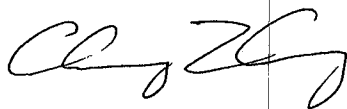
(Date)

Full name of second inventor: Jianhua Zheng
Residence Address: 3-302D KuiKe Building, No. 9 Xinxu Road, Shang-Di
Information Industry Base
Hai-Dian District, Beijing, China 100082
Citizenship: China

Jianhua Zheng

(Date)

Full name of third inventor: Chen-Xiong Zhang
Residence Address: 6350 Curtis Street
Plano, Texas 75093
Citizenship: China



May 6, 2015

Chen-Xiong Zhang

(Date)