m PTO-1595 (Rev. 03-09)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
B No. 0651-0027 (exp. 03/31/2009) RECORDATION FOR	M COVER SHEET
PATENTS	
To the Director of the U.S. Patent and Trademark Office; Please	record the attached documents or the new address(es) below.
1. Name of conveying party(les):	2. Name and address of receiving party(les)
Yifei Yuan (01/13/2011), Shupeng Li (01/10/2011),	Name: ZTE USA INC.
and David Huo (01/11/2011)	Internal Address:
Additional name(s) of conveying party(les) alloched?	Street Address:
3. Nature of conveyance/Execution Date(s):	
Execution Date(s): in parentheses after inventor name	2425 N. Central Expressway, Suite 323
	Bichardson
Security Agreement	City: Richardson
Government Interest Assignment	State: Texas
Executive Order 9424, Confirmatory License	Country: United States of America ZIp: 75080
x Other filling date of application should be 1/5/11. not 01/01/0001	Additional name(s) & address(es) x Yes No
Additional numbers attached	? Yes X No
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and 1 patents involved:
Name: Zhun Lu CONNOLLY BOVE LODGE & HUTZ LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$N/A
Internal Address: Alty. Dkt.: 15747-00073-US	
Street Address: 1007 North Orange Street	Authorized to be charged to deposit account
P. O. Box 2207	Enclosed
	None required (government interest not affecting the
City: Wilmington	B. Payment Information
State: DE Zip: 19899-2207	-
Phone Number: (302) 658-9141	-
Fax Number:(302) 658-5614	Deposit Account Number
Email Address:zlu@cblh.com	
), Signature:	/
19/	February 8, 2011
Signature	Date
Zhun Lu - 53,242 Nama of Person Signing	Total number of pages including cover sheet, attachments, and documents;

	RECORDATION FOR (supp	RM COVER SHEET (PTO-1595) lemental sheet)	
Additional Co	onveying Party(ies)/Executio	n Date(s) (1. Continued):	
Additional As	ssignees (2. Continued):		
Assignee Name:	ZTE Corporation		
Internal Address:			
Street Address:	ZTE Plaza Keji Road South Hi-Tech Industrial Park Nanshan District; Guangdong; Sher	nzhen 518057', PEOPLE'S REPUBL	IC OF CHINA
Cily;	State:	Country:	Zip:
Assignee Name: Internal Address; Street Address;			
City:	Stale:	Country:	Zip:
Assignee Name:			
Internal Address:			
Street Address:			
City:	State:	Country:	Zlp:
Additional A	opplications and/or Patents (4. Continued):	
Additional Patent 4A, Continued:	Application Numbers	Additional Patent Numbers 4B. Continued:	
	Additional numbers att	ached?	

1

i.

	RECORDATION FOR	M COVER SHEET (PTO-1595) emental sheet)	
Additional Co	onveying Party(ies)/Executior	Date(s) (1. Continued):	
Additional A	ssignees (2. Continued):		
Assignee Name:	ZTE Corporation		
Internal Address:			
Street Address:	ZTE Plaza Keji Road South Hi-Tech Industrial Park Nanshan District; Guangdong; Shenz	zhen 618057; PEOPLE'S REPUBLIC	OF CHINA
City:	Stale:	Country:	Zip:
Assignee Name:			_
Internal Address:			
Street Address:			
Cily:	State:	Country:	Zip:
Assignee Name:			
Internal Address:			
Street Address:			
City:	State:	Country:	Zip:
Additional A	opplications and/or Patents (4	I. Continued):	
Additional Patent 4A. Continued:	Application Numbers	Additional Patent Numbers 4B, Continued:	
	Additional numbers atta	iched? Yes No	

FEB. 8. 2011 3:33PM

L

NO. 1800 P. 12

TO: ZHUN LU COMPANY: 1007 N. ORANGE STREET

PATENT ASSIGNMENT

UBMISSION TYPE: NEW ASSIGNMENT				
NATURE OF CONVE	EYANCE:	ASSIGNMENT		
CONVEYING PART	(DATA			
		Name	Execution Date	
Yifei Yuan			01/13/2011	
Shupeng Li			01/10/2011	
David Huo			01/11/2011	
Name: Street Address:	ZTE Corporat ZTE Plaza, K	tion ieji Road South, Hi-Tech Industrial Park	, Nanshan District, Guangdong	
Street Address:	ZTE Plaza, K	eji Road South, Hi-Tech Industrial Park,	, Nanshan District, Guangdong	
City:	Shenzhen			
State/Country:	CHINA			
Postal Code:	518057			
·				
Name:		ZTE USA Inc.		
Street Address:	2425 N. Central Expressway, Sulte 323			
City:	Richardson			
State/Country: Postal Code:	2425 N. Central Expressway, Sulte 323 Richardson TEXAS 75080			
Postal Code.				
PROPERTY NUMB	ERS Total: 1			
Property Type		Num	ber	
Application Number. 12		12984969		
	AF 13 4 7 4			
CORRESPONDEN	CE DATA			
Fax Number:	(302)85		- 6.4	
Correspondence will be sent via US Mall when the fax attempt is unsuccessful.				
Phone: Email:	302-658-9141 zlu@eblb.com			
E I LOLLI.	złu@cbih.com ndent Name: Zhun Lu			
	ne; Zhun Li	4		
Correspondent Nar Address Line 1:	1007 N	u Orange Street NGTON, DELAWARE 19801		

PATENT REEL: 025764 FRAME: 0951 .

• •

.

.

ATTORNEY DOCKET NUMBER:	15747-00073
NAME OF SUBMITTER:	Zhun Lu
Total Attachments: 5 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif	

,

•

,

•

FEB. 8. 2011 3:32PM

NO. 1800 P. 5

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, by Yifei Yuan; Shupeng Li; and David Huo (hereinafter referred to as Assignors), the mailing addresses of all being 33 Wood Ave. S., 2nd Floor, Iselin, New Jersey 08830;

WHEREAS, Assignors have invented certain new and useful improvements in METHOD AND SYSTEM FOR SPATIAL CHANNEL STATE INFORMATION FEEDBACK BASED ON A KRONECKER PRODUCT, set forth in a Patent application for Letters Patent of the United States, already filed on January 5, 2011 as U.S. Application No. 12/984,969; and

WHEREAS, ZTE Corporation and ZTE USA INC., both Corporations, organized under and pursuant to the laws of China and United States of America, respectively having their principal places of business at ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Guangdong, Shenzhen 518057, PEOPLE'S REPUBLIC OF CHINA; and 2425 North Central Expressway, Suite 323, Richardson, Texas 75080, respectively (hereinafter referred to as Assignees). are desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, litle and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

l

1002174v1

18747-00073-US

PATENT REEL: 025764 FRAME: 0953 same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignce, as Assignce of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignce, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

2

1002124v1

10747-00073-US

PATENT REEL: 025764 FRAME: 0954

NO. 1800 P. 7

with the rules of the United States Patent and Trademark Office for recordation of this document:

CONNOLLY BOVE LODGE & HUTZ LLP

All practitioners at Customer Number 23416

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Yifei Yuan Signature: _________Shupeng Li Date: Signature: ______ David Huo Date:

16747-00073-US

NO. 1800 P. 8

with the rules of the United States Patent and Trademark Office for recordation of this document:

CONNOLLY BOVE LODGE & HUTZ LLP

All practitioners at Customer Number 23416

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date:		Signature: _	Yifei Yuan
Date:	01/10/11	Signature: _	Shupeng Li
Date:		Signature:	David Huo

3

16747-00073-US

.

,

NO. 1800 P. 9

with the rules of the United States Patent and Trademark Office for recordation of this document:

CONNOLLY BOVE LODGE & HUTZ LLP

All practitioners at Customer Number 23416

AND Assignors acknowledge an obligation of assignment of this invention to Assignce at the time the invention was made.

Date:	Kanan Manana ana ana ana ana ang kanang Kanan Kana Kanana kanan kanana kana kan
-------	---

Date:	
Date	*****

Signature: ______Shupeng Li

Date; <u>/////2011</u> Signature: <u>David Huo</u>

1002174+8

15747-00070-UB

RECORDED: 02/08/2011