

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Zhibin LIN</td> <td>02/19/2012</td> </tr> <tr> <td>Guoming CHEN</td> <td>02/20/2012</td> </tr> <tr> <td>Zheng DENG</td> <td>02/19/2012</td> </tr> <tr> <td>Hao YUAN</td> <td>02/20/2012</td> </tr> <tr> <td>Jiali LI</td> <td>02/20/2012</td> </tr> <tr> <td>Ke PENG</td> <td>02/20/2012</td> </tr> <tr> <td>Kaiwen LIU</td> <td>02/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Zhibin LIN	02/19/2012	Guoming CHEN	02/20/2012	Zheng DENG	02/19/2012	Hao YUAN	02/20/2012	Jiali LI	02/20/2012	Ke PENG	02/20/2012	Kaiwen LIU	02/23/2012
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Ke PENG	02/20/2012																
Kaiwen LIU	02/23/2012																
RECEIVING PARTY DATA																	
Name:	ZTE CORPORATION																
Street Address:	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park																
Internal Address:	Nanshan District																
City:	Shenzhen City, Guangdong Province																
State/Country:	CHINA																
Postal Code:	518057																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13499534</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13499534												
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Application Number:	13499534																
CORRESPONDENCE DATA																	
Fax Number:	(202)824-3001																
Phone:	202-824-3000																
Email:	csummerlin@bannerwitcoff.com, bwptopat@bannerwitcoff.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:	BANNER & WITCOFF, LTD.																
Address Line 1:	1100 13TH STREET NW																
Address Line 2:	SUITE 1200																
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20005-4051																

CH \$40.00 13499534

PATENT

ATTORNEY DOCKET NUMBER:	007556.00057
NAME OF SUBMITTER:	Bradley C. WRIGHT
Total Attachments: 9 source=Assignmentasfiled#page1.tif source=Assignmentasfiled#page2.tif source=Assignmentasfiled#page3.tif source=Assignmentasfiled#page4.tif source=Assignmentasfiled#page5.tif source=Assignmentasfiled#page6.tif source=Assignmentasfiled#page7.tif source=Assignmentasfiled#page8.tif source=Assignmentasfiled#page9.tif	

ASSIGNMENT

Whereas, I/we, Zhibin LIN, having an address of Nanjing University, 22 Hankou Rd., Nanjing 210093, P.R. China, Guoming CHEN, having a business address of ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen City, Guangdong Province 518057, P.R. China, Zheng DENG, having an address of Nanjing University, 22 Hankou Rd., Nanjing 210093, P.R. China, Hao YUAN, Jiali LI, Ke PENG and Kaiwen LIU, having a business address of ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen City, Guangdong Province 518057, P.R. China, hereafter also referred to as "APPLICANT," have invented certain new and useful improvements in an invention entitled:

**AUDIO ENCODING/DECODING METHOD AND SYSTEM OF LATTICE-
TYPE VECTOR QUANTIZING**

which application is executed concurrently herewith by inventor/s, unless the

following box is checked:

was filed on October 12, 2010 as PCT International Patent Application

No. PCT/CN2010/001597,

and WHEREAS

ZTE Corporation
ZTE Plaza, Keji Road South
Hi-Tech Industrial Park
Nanshan District, Shenzhen City
Guangdong Province 518057, P.R. China

ASSIGNEE, desires to acquire the entire right, title and interest in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

I/We hereby assign, to the above named ASSIGNEE, its successors, assigns and legal representatives (NOMINEES) the entire right, title and interest in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents

and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And I/we covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement or do anything in conflict herewith;

And I/we further covenant and agree that I/we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and I/we agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

And I/we authorize the ASSIGNEE or its NOMINEES to file in our name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and I/we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And I/we hereby grant the attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to identify the patent application to which this assignment pertains.

Date: Feb. 19, 2012

Inventor:

Zhibin Lin
Zhibin LIN (Signature)

Date: _____

Inventor:

Guoming CHEN (Signature)

Date: 2.19.2012

Inventor:

Zheng Deng
Zheng DENG (Signature)

Date: _____

Inventor:

Hao YUAN (Signature)

Date: _____

Inventor:

Jiali LI (Signature)

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Date: _____	Inventor: _____ Zhibin LIN (Signature)
Date: <u>Feb. 20, 2012</u>	Inventor: <u>Guoming Chen</u> Guoming CHEN (Signature)
Date: _____	Inventor: _____ Zheng DENG (Signature)
Date: <u>Feb. 20, 2012</u>	Inventor: <u>Hao Yuan</u> Hao YUAN (Signature)
Date: _____	Inventor: _____ Jiali LI (Signature)

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Date: _____	Inventor: _____ Zheng DENG (Signature)
Date: _____	Inventor: _____ Hao YUAN (Signature)
Date: <u>Feb. 20, 2012</u>	Inventor: <u>Li Jiali</u> Jiali LI (Signature)

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Date: _____ Inventor: _____
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Date: _____ Inventor: _____
Zheng DENG (Signature)

Date: _____ Inventor: _____
Hao YUAN (Signature)

Date: _____ Inventor: _____
Jiali LI (Signature)

Attorney Docket No. 007556.00057

Date: Feb 20, 2012

Inventor: Ke Peng
Ke PENG (Signature)

Date: Feb 23, 2012

Inventor: Kaiwen Liu
Kaiwen LIU (Signature)

Note: No legalization or other witness required.

LAW OFFICES
BANNER & WITCOFF, LTD.
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Washington, D.C. 20005-4051
202-824-3000