

## 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>Xueming Pan</td> <td>05/10/2012</td> </tr> <tr> <td>Jinling Hu</td> <td>05/10/2012</td> </tr> <tr> <td>Guojun Xiao</td> <td>05/10/2012</td> </tr> <tr> <td>Jie Zhang</td> <td>05/10/2012</td> </tr> <tr> <td>Libo Wang</td> <td>05/10/2012</td> </tr> <tr> <td>Deshan Miao</td> <td>05/10/2012</td> </tr> <tr> <td>Yu Yang</td> <td>05/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Xueming Pan	05/10/2012	Jinling Hu	05/10/2012	Guojun Xiao	05/10/2012	Jie Zhang	05/10/2012	Libo Wang	05/10/2012	Deshan Miao	05/10/2012	Yu Yang	05/10/2012
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<table border="1"> <tr> <td>Name:</td> <td>China Academy of Telecommunications Technology</td> </tr> <tr> <td>Street Address:</td> <td>No. 40 Xueyuan Road</td> </tr> <tr> <td>Internal Address:</td> <td>Haidian District</td> </tr> <tr> <td>City:</td> <td>Beijing</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>100191</td> </tr> </table>		Name:	China Academy of Telecommunications Technology	Street Address:	No. 40 Xueyuan Road	Internal Address:	Haidian District	City:	Beijing	State/Country:	CHINA	Postal Code:	100191				
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Application Number:	13508897																
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OP \$40.00 13508897

PATENT

ATTORNEY DOCKET NUMBER:	94488-840128
NAME OF SUBMITTER:	Charles W. Gray
<b>Total Attachments: 3</b> source=94488_840128_Assignment#page1.tif source=94488_840128_Assignment#page2.tif source=94488_840128_Assignment#page3.tif	

**ASSIGNMENT OF PATENT APPLICATION**

Attorney Docket No.: 94488-840128

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Xueming PAN, Jinling HU, Guojun XIAO, Jie ZHANG, Libo WANG, Deshan MIAO, Yu YANG

hereby sell, assign, and transfer to CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY

an academy of P.R. CHINA.  
(Type of Assignee: e.g., corporation, company, partnership, university, etc.)

having a principal place of business at \_\_\_\_\_

No. 40 Xueyuan Rd., Haidian District Beijing 100191, P.R. CHINA

("Assignee"), and 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 inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled METHOD AND DEVICE FOR ACQUIRING USER EQUIPMENT DUPLEX MODE INFORMATION

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 13/508,897 filed May 9, 2012,

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, 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 inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents

and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant 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, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

May 10, 2012  
Date

Xueming PAN  
Signature

Xueming PAN  
Printed/Typed Name

5.10, 2012  
Date

Jinling Hu  
Signature

Jinling HU  
Printed/Typed Name

5-10, 2012  
Date

Guojun Xiao  
Signature

Guojun XIAO  
Printed/Typed Name

5.10, 2012  
Date

Jie Zhang  
Signature

Jie ZHANG  
Printed/Typed Name

5.10, 2012  
Date

Libo Wang  
Signature

Libo WANG  
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May 10, 2012  
Date

Deshan MIAO  
Signature

Deshan MIAO

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Yu Yang  
Signature

Yu YANG

Printed/Typed Name