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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jing XU	07/04/2012
Deshan MIAO	07/04/2012

RECEIVING PARTY DATA

Name:	CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY	
Street Address:	No. 40 Xueyuan Rd., Haidian District	
City:	Beijing	
State/Country:	CHINA	
Postal Code:	100191	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13521659

CORRESPONDENCE DATA

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US Mail.

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ATTORNEY DOCKET NUMBER:	94488-000600US-846108
NAME OF SUBMITTER:	Charles W. Gray

Total Attachments: 2

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PATENT REEL: 028533 FRAME: 0596 OF \$40.00 135Z1659

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.:			
For good and valuable consideration, the receipt and sufficiency of which is hereby				
acknowledged, I/we, the undersigned, XU, Jing and MIAO,	Deshan			
hereby sell, assign, and transfer to CHINA ACADEMY OF TE	LECOMMUNICATIONS TECHNOLOGY			
an <u>academy</u> (Type of Assignee: e.g., corporation, company, partnership, university,	of P.R. CHINA			
having a principal place of business at <u>No. 40 Xueyu</u> P.R. CHINA	uan Rd., Haidian District Beijing 100191.			
("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 Apparatus for Transmitting Downlink Pilot				
said patent application also identified as follows (when know	vn):			
[I/we hereby authorize an attorney or agent for said number and filing date of said patent application wh				
United States Patent Application Number 13/521,659	filed_July 11, 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 gaths, 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 all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and				

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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:

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4. 1, 20 12	Jing XV
Date	Signature
	XU, Jing
	Printed/Typed Name
4.7.2012	Deshun Niao
Date	Signature
	MIAO, Deshan
	Printed/Typed Name
, 20	
Date	Signature
	Printed/Typed Name
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Date	Signature
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Date , 27	Signature
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	Printed/Typed Name