

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Xiqi GAO</td> <td>12/15/2011</td> </tr> <tr> <td>Bin JIANG</td> <td>12/15/2011</td> </tr> <tr> <td>Xiaohu YOU</td> <td>12/15/2011</td> </tr> <tr> <td>Teer BA</td> <td>12/15/2011</td> </tr> <tr> <td>Shi JIN</td> <td>12/15/2011</td> </tr> <tr> <td>Jue WANG</td> <td>12/15/2011</td> </tr> <tr> <td>Dongming WANG</td> <td>12/15/2011</td> </tr> <tr> <td>Yanxiang JIANG</td> <td>12/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	Xiqi GAO	12/15/2011	Bin JIANG	12/15/2011	Xiaohu YOU	12/15/2011	Teer BA	12/15/2011	Shi JIN	12/15/2011	Jue WANG	12/15/2011	Dongming WANG	12/15/2011	Yanxiang JIANG	12/15/2011
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<table border="1"> <tr> <td>Name:</td> <td>SOUTHEAST UNIVERSITY</td> </tr> <tr> <td>Street Address:</td> <td>No. 2, Sipailou, Xuanwu</td> </tr> <tr> <td>City:</td> <td>Nanjing, Jiangsu</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>210018</td> </tr> </table>		Name:	SOUTHEAST UNIVERSITY	Street Address:	No. 2, Sipailou, Xuanwu	City:	Nanjing, Jiangsu	State/Country:	CHINA	Postal Code:	210018								
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CORRESPONDENCE DATA																			
Fax Number:	(703)726-6024																		
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Email:	rkm@rkmllegalgroup.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:	Rossi, Kimms & McDowell LLP																		
Address Line 1:	P.O. Box 826																		
Address Line 4:	Ashburn, VIRGINIA 20146-0826																		

OP \$40.00 13497150

ATTORNEY DOCKET NUMBER:	JING-0003
NAME OF SUBMITTER:	Valerie L. Watkins
Total Attachments: 1 source=JING-0003_Signed_Assignment#page1.tif	

*** ASSIGNMENT ***

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

Name: SOUTHEAST UNIVERSITY

Address: No. 2, Sipailou, Xuanwu, Nanjing, Jiangsu 210018, P.R. China

(hereinafter designated as the Assignees) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as:

Title: PILOT AND CHANNEL ESTIMATION METHOD FOR SDMA MIMO TRANSMISSION DOWNLINK

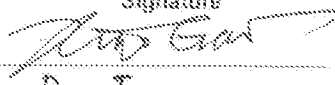
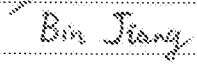
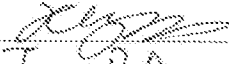
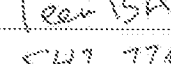
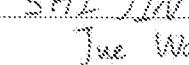
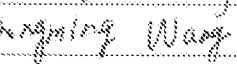
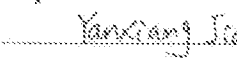
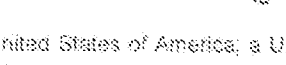
and identified by the Assignees as OP11US437 and ATTORNEY DOCKET NUMBER JING-0002 for which the undersigned has (have) executed and filed an application for patent in the United States of America on 3/20/2012 and now designated as U.S. Patent Application No. 13/497,150

The undersigned hereby agree(s) to: (1) execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient; (2) execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; (3) execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention of Protection of Industrial Property or similar agreements; and (4) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

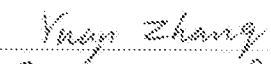
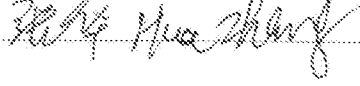
The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said applications or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned have full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed and will not execute any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of ROSSI, KIMMS & McDOWELL LLP the power to insert on this assignment any further identification, including but not limited to the ATTORNEY DOCKET NUMBER, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the signature(s) of the undersigned:

Print Name	Date	Signature
(1) Xiqi GAO	12/15/2011 Month/Day/Year	
(2) Bin JIANG	12/15/2011 Month/Day/Year	
(3) Xiaohu YOU	12/15/2011 Month/Day/Year	
(4) Teer BA	12/15/2011 Month/Day/Year	
(5) Shi JIN	12/15/2011 Month/Day/Year	
(6) Jue WANG	12/15/2011 Month/Day/Year	
(7) Dongming WANG	12/15/2011 Month/Day/Year	
(8) Yanxiang JIANG	12/15/2011 Month/Day/Year	

This assignment should preferably be signed before a Notary Public if within the United States of America; a U.S. Consul if outside the United States of America; or before at least two witnesses. Witnessed by

(1) Yuan ZHANG	12/15/2011 Month/Day/Year	
(2) Hua ZHANG	12/15/2011 Month/Day/Year	

PATENT

RECORDED: 03/20/2012

REEL: 027894 FRAME: 0732