

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2616283

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>SHAOLIANG ZHANG</td> <td>11/14/2013</td> </tr> <tr> <td>TING WANG</td> <td>11/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	SHAOLIANG ZHANG	11/14/2013	TING WANG	11/14/2013
Name	Execution Date						
SHAOLIANG ZHANG	11/14/2013						
TING WANG	11/14/2013						
RECEIVING PARTY DATA							
Name:	NEC LABORATORIES AMERICA, INC.						
Street Address:	4 INDEPENDENCE WAY						
Internal Address:	SUITE 200						
City:	PRINCETON						
State/Country:	NEW JERSEY						
Postal Code:	08540						
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>14032449</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14032449		
Property Type	Number						
Application Number:	14032449						
CORRESPONDENCE DATA							
Fax Number:	(609)951-2480						
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ATTORNEY DOCKET NUMBER:	12052						
NAME OF SUBMITTER:	JILL BEHR						
Signature:	/JILL BEHR/						
Date:	11/15/2013						
Total Attachments: 1 source=signedassignment#page1.tif							

CH \$40.00 14032449

**ASSIGNMENT**

Whereas, we,

- (1) **Shaoliang Zhang**, of 1610 Quail Ridge Drive, Plainsboro, NJ 08536; and
- (2) **Ting Wang**, of 10 Glacier Drive, West Windsor, NJ 08550

(hereinafter called "Assignor(s)"), have made a certain invention, and executed United States Patent Application Serial No. 14/032,449, filed on September 20, 2013, entitled:

**FULL-RANGE PILOT-ASSISTED FREQUENCY OFFSET ESTIMATION FOR OFDM COMMUNICATION SYSTEMS**

Whereas, NEC Laboratories America, Inc.  
4 Independence Way, Suite 200  
Princeton, New Jersey 08540

(hereinafter called "Assignee"), desires to acquire the entire right, title, and interest in the application and the invention, and to any applications, patents and/or utility model registrations filed or obtained therefor in every Country (hereinafter called the "Designated Countries").

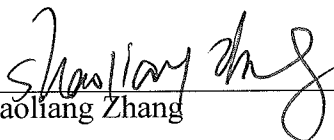
Now therefore, for valuable consideration, receipt of which is hereby acknowledged,

I/we, the above named Assignor(s), hereby sell, assign and transfer to the above named Assignee the entire right, title and interest to file and/or obtain any applications, patents and/or utility model registrations in the Designated Countries as regards the United States application and the invention disclosed therein (including rights of priority based on the United States application), and I/we will execute without further consideration all papers deemed necessary by the Assignee in connection with such applications, patents and/or utility model registrations in the Designated Countries when called upon to do so by the Assignee.

Signed and Sealed:

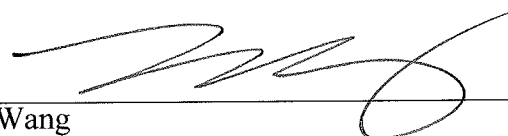
**INVENTOR 1:**

DATE on 11/14/2013

  
\_\_\_\_\_  
Shaoliang Zhang

**INVENTOR 2:**

DATE on 11/14/13

  
\_\_\_\_\_  
Ting Wang