

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>NARAYAN PRASAD</td><td>04/05/2011</td></tr><tr><td>GUOSEN YUE</td><td>04/05/2011</td></tr><tr><td>MOHAMMAD A. KHOJASTEPOUR</td><td>04/05/2011</td></tr><tr><td>MEILONG JIANG</td><td>04/05/2011</td></tr><tr><td>SAMPATH RANGARAJAN</td><td>04/05/2011</td></tr></tbody></table>	Name	Execution Date	NARAYAN PRASAD	04/05/2011	GUOSEN YUE	04/05/2011	MOHAMMAD A. KHOJASTEPOUR	04/05/2011	MEILONG JIANG	04/05/2011	SAMPATH RANGARAJAN	04/05/2011	
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SAMPATH RANGARAJAN	04/05/2011												
RECEIVING PARTY DATA													
Name:	NEC Laboratories America, Inc.												
Street Address:	4 Independence Way, 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>13080403</td></tr></tbody></table>	Property Type	Number	Application Number:	13080403									
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CORRESPONDENCE DATA													
Fax Number: (631)844-0080 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 609-951-2522													
Email: jill@nec-labs.com													
Correspondent Name: NEC LABORATORIES AMERICA, INC.													
Address Line 1: 4 INDEPENDENCE WAY													
Address Line 2: Suite 200													
Address Line 4: PRINCETON, NEW JERSEY 08540													
ATTORNEY DOCKET NUMBER:	10061 (449-194)												
NAME OF SUBMITTER:	James J. Bitetto												
Total Attachments: 2 source=10061_Assignment#page1.tif source=10061_Assignment#page2.tif													

OP \$40.00 13080403

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PATENT
REEL: 026078 FRAME: 0511

ASSIGNMENT

Whereas, we,

- (1) **Narayan Prasad**, of 8470 Limekiln Pike, 625-2, Wyncote, PA 19095; and
- (2) **Guosen Yue**, of 2314 Pheasant Hollow Road, Plainsboro, NJ 08536; and
- (3) **Mohammad A. Khojastepour**, of 17 Port Mercer Road, North Brunswick, NJ 08648; and
- (4) **Meilong Jiang**, of 5214 Wyndhurst Drive, Plainsboro, NJ 08536; and
- (5) **Sampath Rangarajan**, of 40 Linberger Drive, Bridgewater, NJ 08807.

(hereinafter called "Assignor(s)"), have made a certain invention, and executed United States Patent Application entitled:

**MU-MIMO-OFDMA METHODS AND SYSTEMS FOR SIGNALING
MULTI-RANK CQIs AND PRECODERS**

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:

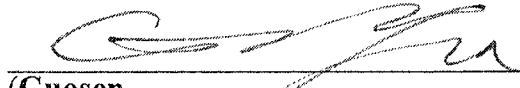
DATED on 04/05/11



(**Narayan** **Prasad**)
First Name Middle Initial Last Name

INVENTOR 2:

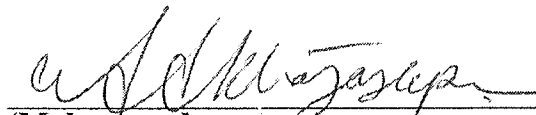
DATED on 04/05/11



(**Guosen** **Yue**)
First Name Middle Initial Last Name

INVENTOR 3:

DATED on 4/5/2011



(**Mohammad** **A.** **Khojastepour**)
First Name Middle Initial Last Name

INVENTOR 4:

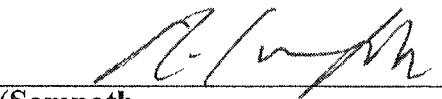
DATED on 4/5/2011



(**Meilong** **Jiang**)
First Name Middle Initial Last Name

INVENTOR 5:

DATED on 6/8/2011



(**Sampath** **Rangarajan**)
First Name Middle Initial Last Name