

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>Guosen Yue</td><td>08/25/2005</td></tr><tr><td>Xiaodong Wang</td><td>09/07/2005</td></tr><tr><td>Mohammad Madhian</td><td>08/31/2005</td></tr></tbody></table>		Name	Execution Date	Guosen Yue	08/25/2005	Xiaodong Wang	09/07/2005	Mohammad Madhian	08/31/2005
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Guosen Yue	08/25/2005								
Xiaodong Wang	09/07/2005								
Mohammad Madhian	08/31/2005								
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>11174043</td></tr></tbody></table>		Property Type	Number	Application Number:	11174043				
Property Type	Number								
Application Number:	11174043								
CORRESPONDENCE DATA									
Fax Number:	(609)951-2480								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	6099512521								
Email:	jill@nec-labs.com								
Correspondent Name:	Benjamin Lee								
Address Line 1:	NEC Laboratories America, Inc.								
Address Line 2:	4 Independence Way, Suite 200								
Address Line 4:	Princeton, NEW JERSEY 08540								
NAME OF SUBMITTER:	Jill Thompson								
Total Attachments: 2 source=assignment 11174043#page1.tif source=assignment 11174043#page2.tif									

CH \$40.00 11174043

PATENT

500048702

REEL: 016499 FRAME: 0862

## ASSIGNMENT

Whereas, we,

- (1) **Guosen Yue**, of 3704 Hunters Glen Drive, Plainsboro, NJ 08536;
- (2) **Xiaodong Wang**, of 21 Claremont Avenue, #34, New York, NY 10027; and
- (3) **Mohammad Madihian**, of 2 Larkspur Drive, Plainsboro, NJ 08536

(hereinafter called "Assignor(s)"), have made a certain invention, and executed United States Patent Application Serial No. 11, 174,043, filed on July 1, 2005, entitled:

### **Rate-Compatible Low Density Parity Check Coding for Hybrid ARQ**

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,

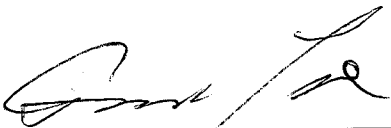
I/we, the above named Assignor(s), hereby sell, assign and transfer to the above named Assignee the entire right, title and interest to file and/or obtain any applications, patents and/or utility model registrations in the Designated Countries as regards the United States application and the invention 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:**

**CITY** at South Brunswick


**DATE** on 08/25/05

  
\_\_\_\_\_  
(Guosen Yue)  
First Name Middle Initial Last Name

State of New Jersey)

County of Middlesex) ss.:

Inventor (1) On this 25 day of August, 2005 before me personally came **Guosen Yue** to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

  
\_\_\_\_\_  
Notary  
**JILL M. THOMPSON**  
Notary Public of New Jersey  
My Commission Expires 7/12/07

**INVENTOR 2:**

**CITY** at South Brunswick

**DATE** on 9/7/05

Xiaodong  
First Name

Wang  
Middle Initial

Wang  
Last Name

State of New Jersey)

County of Middlesex) ss:

Inventor (2) On this 7 day of September, 2005 before me personally came **Xiaodong Wang** to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Jill M. Thompson

JILL M. THOMPSON  
Notary Public of New Jersey  
My Commission Expires 9/12/07

**INVENTOR 3:**

**CITY** at South Brunswick

**DATE** on 8/31/05

Mohammad  
First Name

Madhian  
Middle Initial

Madhian  
Last Name

State of New Jersey)

County of Middlesex) ss:

Inventor (3) On this 31 day of August, 2005 before me personally came **Mohammad Madhian** to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Jill M. Thompson

JILL M. THOMPSON  
Notary Public of New Jersey  
My Commission Expires 9/12/07

Attorney Docket No. 04060