

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>Takefumi Oguma</td><td>05/14/2008</td></tr><tr><td>Katsuyuki Mino</td><td>05/14/2008</td></tr><tr><td>Osamu Matsuda</td><td>05/18/2008</td></tr></tbody></table>		Name	Execution Date	Takefumi Oguma	05/14/2008	Katsuyuki Mino	05/14/2008	Osamu Matsuda	05/18/2008
Name	Execution Date								
Takefumi Oguma	05/14/2008								
Katsuyuki Mino	05/14/2008								
Osamu Matsuda	05/18/2008								
RECEIVING PARTY DATA									
Name:	NEC Laboratories America, Inc.								
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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>12050465</td></tr></tbody></table>		Property Type	Number	Application Number:	12050465				
Property Type	Number								
Application Number:	12050465								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	Jill Thompson								
Total Attachments: 2									

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PATENT  
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**ASSIGNMENT**

Whereas, we,

- (1) **Takefumi Oguma**, of c/o NEC Corporation, Tokyo, Japan;
- (2) **Katsuyuki Mino**, of c/o NEC Corporation, Tokyo, Japan; and
- (3) **Osamu Matsuda**, of c/o NEC Corporation, Tokyo, Japan;

(hereinafter called "Assignor(s)"), have made a certain invention, and executed United States Patent Application Serial No. 12/050,465, filed on March 18, 2008, entitled:

**TITLE**

Whereas, NEC Corporation  
7-1, Shiba 5-chome, Minato-ku,  
Tokyo, Japan

(hereinafter called "Assignee"), desire 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 Japan.

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 Japan 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 Japan when called upon to do so by the Assignee.

Signed and Sealed:

**INVENTOR 1:**

DATE on 5/14/08

<u>Takefumi</u>	<u>Oguma</u>
(Takefumi)	(Oguma)
First Name	Last Name
	Middle Initial

**INVENTOR 2:**

DATE on 5/14/08

<u>Katsuyuki</u>	<u>Mino</u>
(Katsuyuki)	(Mino)
First Name	Last Name
	Middle Initial

**INVENTOR 3:**

DATE on \_\_\_\_\_

<u>Osamu</u>	<u>Matsuda</u>
(Osamu)	(Matsuda)
First Name	Last Name
	Middle Initial

**ASSIGNMENT**

Whereas, we,

- (1) **Takefumi Oguma**, of c/o NEC Corporation, Tokyo, Japan;
- (2) **Katsuyuki Mino**, of c/o NEC Corporation, Tokyo, Japan; and
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Signed and Sealed:

**INVENTOR 1:**

DATE on \_\_\_\_\_

(Takefumi)		Oguma)
First Name	Middle Initial	Last Name

**INVENTOR 2:**

DATE on \_\_\_\_\_

(Katsuyuki)		Mino)
First Name	Middle Initial	Last Name

**INVENTOR 3:**

DATE on 5/18/2008

<u>松田 修</u>		
(Osamu)		Matsuda)
First Name	Middle Initial	Last Name

5/18