

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>Akihiko SUGIYAMA</td> <td>03/21/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Akihiko SUGIYAMA | 03/21/2013 | | | | |
| Name | Execution Date | | | | | | | | |
| Akihiko SUGIYAMA | 03/21/2013 | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>NEC Corporation</td> </tr> <tr> <td>Street Address:</td> <td>7-1, Shiba 5-chome, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table> | | Name: | NEC Corporation | Street Address: | 7-1, Shiba 5-chome, Minato-ku | City: | Tokyo | State/Country: | JAPAN |
| Name: | NEC Corporation | | | | | | | | |
| Street Address: | 7-1, Shiba 5-chome, Minato-ku | | | | | | | | |
| City: | Tokyo | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | |
| 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>13878943</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13878943 | | | | |
| Property Type | Number | | | | | | | | |
| Application Number: | 13878943 | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | |
| <p>Fax Number: 2022937860 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 202-293-7060 Email: bmurray@sughrue.com, sughrue@sughrue.com Correspondent Name: SUGHRUE MION, PLLC Address Line 1: 2100 Pennsylvania Avenue, NW Address Line 4: Washington, DISTRICT OF COLUMBIA 20037-3213</p> | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | Q203228 | | | | | | | | |
| NAME OF SUBMITTER: | Brian T. Murray, New App. Specialist | | | | | | | | |
| Signature: | /Brian T. Murray/ | | | | | | | | |
| Date: | 04/12/2013 | | | | | | | | |
| Total Attachments: 1 source=ASSIGNMENT_AS_FILED#page1.tif | | | | | | | | | |

OP \$40.00 13878943

Assignment

Whereas, I/We, AKIHIKO SUGIYAMA of

Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in
SIGNAL PROCESSING DEVICE, SIGNAL PROCESSING METHOD AND SIGNAL PROCESSING
PROGRAM

and executed an application for Letters Patent of the United States of America
therefor on March 21, 2013; and

Whereas,

NEC Corporation

7-1, Shiba 5-chome, Minato-ku,

Tokyo, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and
invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above
named assignee, its successors and assigns, the entire right, title and interest in the application
and the invention disclosed therein for the United States of America, including all divisions,
and continuations thereof, and all Letters Patent of the United States that may be granted
thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119,
and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters
Patent granted upon the invention set forth in the application to the assignee, its successors
and assigns; and I/we will execute without further consideration all papers deemed necessary
by the assignee in connection with the United States application when called upon to do so by
the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100
Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses
(Application number 13/878,943 and Confirmation number
1082, filed April 11, 2013) the application
number and filing date of said application when known.

Date: 3/21/2013


s/ AKIHIKO SUGIYAMA

Date: _____

s/

Date: _____

s/

Date: _____

s/

Date: _____

s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

PATENT

RECORDED: 04/12/2013

REEL: 030206 FRAME: 0816