

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Junichi ABE</td> <td>01/26/2012</td> </tr> <tr> <td>Hidemi NOGUCHI</td> <td>01/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Junichi ABE	01/26/2012	Hidemi NOGUCHI	01/26/2012				
Name	Execution Date										
Junichi ABE	01/26/2012										
Hidemi NOGUCHI	01/26/2012										
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</td> </tr> <tr> <td>City:</td> <td>Minato-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>108-8001</td> </tr> </table>		Name:	NEC Corporation	Street Address:	7-1, Shiba 5-chome	City:	Minato-ku, Tokyo	State/Country:	JAPAN	Postal Code:	108-8001
Name:	NEC Corporation										
Street Address:	7-1, Shiba 5-chome										
City:	Minato-ku, Tokyo										
State/Country:	JAPAN										
Postal Code:	108-8001										
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>13393066</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13393066						
Property Type	Number										
Application Number:	13393066										
CORRESPONDENCE DATA											
<p>Fax Number: (202)293-7860</p> <p>Phone: 202-293-7060</p> <p>Email: eharnett@sughrue.com, sughrue@sughrue.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: SUGHRUE MION, PLLC</p> <p>Address Line 1: 2100 PENNSYLVANIA AVENUE, N.W.</p> <p>Address Line 2: SUITE 800</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20037</p>											
ATTORNEY DOCKET NUMBER:	Q129022										
NAME OF SUBMITTER:	Erin Harnett, New Application Specialist										
<p>Total Attachments: 1</p> <p>source=ASSIGNMENT_EXECUTED_AS_FILED#page1.tif</p>											

OP \$40.00 13393066

Assignment

Whereas, I/We, of Junichi ABE and Hidemi NOGUCHI
hereinafter called assignor(s), have invented certain improvements in
DIGITAL FILTER DEVICE, DIGITAL FILTERING METHOD AND
CONTROL PROGRAM FOR THE DIGITAL FILTER DEVICE
and executed an application for Letters Patent of the United States of America
therefor on January 26, 2012; and

Whereas, NEC Corporation
7-1, Shiba 5-chome, Minato-ku
Tokyo 108-8001, 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 13/393,066 and Confirmation number
1663, filed February 28, 2012) the application
number and filing date of said application when known.

Date: January 26, 2012 Junichi ABE
s/ Junichi ABE



Date: January 26, 2012 Hidemi Noguchi
s/ Hidemi NOGUCHI



Date: _____
s/

Date: _____
s/

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