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POBA/REV08

RECORDATION FORM

PATENTS

01/09/2012

DEPARTMENT OF COMMERCE

Patent and Trademark Office



103638817

To the Director of the United States Patent and Trademark Office: Please

address(es) below.

## 1. Name of conveying party(ies):

(1) Masaki KITSUNEZUKA

(2) Takashi TOKAIRIN

## 2. Name and address of receiving party(ies):

Name: NEC Corporation

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

City: Tokyo

State/Prov.:

Country: Japan

ZIP:

Additional name(s) &amp; address(es) attached?

☐ Yes☒ No

## 3. Nature of conveyance/Execution Date(s):

Execution Date(s): December 16, 2011

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other

## 4. Application or patent numbers(s):

A. Patent Application No. (s)

13/382,143

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

## 5. Name and address to whom correspondence concerning document should be mailed:

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## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00

☐ Authorized to be charged by credit card☐ Authorized to be charged to deposit account☒ Enclosed☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers

Expiration Date

b. Deposit Account Number 50-0481(deficiencies only)

Authorized User Name Sean M. McGinn

## 9. Signature:

Signature

Sean M. McGinn, Esq.

Name of Person Signing

01/09/2012 KNOUEN1 00000017 13302190

01 FC:0021

January 4, 2012

Date

Total number of pages including cover sheet, attachments, and document:

Documents to be recorded (including cover sheet) should be faxed to (571)273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

**ASSIGNMENT OF APPLICATION FOR PATENT****WHEREAS**NAME AND ADDRESS  
OF ASSIGNOR1) Masaki Kitsunetzuka  
c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,  
Tokyo, Japan2) Takashi Tokairin  
c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,  
Tokyo, Japan(HEREINAFTER REFERRED TO AS ASSIGNOR), have  
invented and own a certain new and useful invention  
entitled:

TITLE OF INVENTION:

QUADRATURE MIXER

**WHEREAS**FULL NAME AND ADDRESS  
OF ASSIGNEENEC Corporation, 7-1, Shiba 5-chome, Minato-ku,  
Tokyo, Japan(hereinafter referred to as ASSIGNEE), is desirous of  
acquiring the entire right, title, and interest in, to and under  
said invention and the United States Letters Patent to be  
obtained therefor:

Be

**NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:**

it known that in consideration of the payment of ASSIGNEE  
to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt  
of which is hereby acknowledged, and for other good and  
valuable consideration, ASSIGNOR, by these presents,  
hereby sells, assigns and transfers to ASSIGNEE the entire  
and exclusive right, title and interest to said invention and  
all Letters Patent of the United States to be obtained  
therefor on said application or any continuation, division,  
renewal, substitute or reissue thereof for the full term or  
terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the  
Commissioner of Patents and Trademarks to issue said  
Letters Patent of the  
United States Patent obtained therefor on said application or any  
(Assignment of Application for Patent -- page 1 of 2)

continuation, division, renewal, substitute or reissue thereof for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;


ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNING


IN WITNESS WHEREOF, I/We have hereunto set

hand and seal this 16 day of December, 2011.

SIGNATURE

By: Masaki Kitanouchi 

SIGNATURE

By: Takashi Tokairin 

SIGNATURE

By: \_\_\_\_\_

SIGNATURE

By: \_\_\_\_\_



SIGNATURE

By: \_\_\_\_\_

SIGNATURE

By: \_\_\_\_\_

WITNESSES

(Assignment of Application for Patent -- page 2 of 2)

PATENT

RECORDED: 02/15/2012

REEL: 027713 FRAME: 0360