



Recordation Pat

02/19/2013



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Docket Number

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To the Director of the United States Patent and Trademark Office

Record the attached documents or the new address(es) below.

02/13/13

1. Name of conveying party(ies):

- (1) Masashi KAWAKAMI
- (2) Hiroshi TOYAO

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/Execution date(s):

Execution Date(s): November 20, 2012

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other: _____

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

Name: NEC CORPORATION

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

City: Tokyo

State/Prov.: _____ Postal Code: 108-8001

Country: Japan

Additional name(s) & address(es): Yes No

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

13/816,703

Additional numbers attached? Yes No

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

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6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 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

Deposit Account Number 50-0481(deficiencies only)

Authorized User Name Sean M. McGinn

9. Signature:

Sean M. McGinn, Esq.
Name of Person Signing

02/19/2013 KNGL Date: ~~0000~~ February, 13, 2013

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

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS

Masashi KAWAKAMI and Hiroshi TOYAO;
both of Tokyo, Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), has
invented and owns a certain new and useful invention
entitled:

TITLE OF INVENTION:

INTERCONNECT SUBSTRATE AND ELECTRONIC DEVICE

WHEREAS

FULL NAME AND ADDRESS
OF ASSIGNEE

NEC CORPORATION
7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001 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:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be
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 continuation, division, renewal,
substitute or reissue thereof for the full term or terms to
said ASSIGNEE,

(Assignment of Application for Patent -- page 1 of 2)

PATENT
REEL: 029928 FRAME: 0191

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 20th day of November, 2012.

SIGNATURE

By: Masashi Kawakami Masashi KAWAKAMI

SIGNATURE

By: Hiroshi Toyao Hiroshi TOYAO

WITNESSES

Masato Kimura
[Signature]

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