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Attorney Docket No. 8013-1204

Form PTO-1505

RE

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U.S. Department of Commerce
U.S. Patent and Trademark Office

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8/2/2004

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PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of Conveying Party(ies):
Noriyuki FUTAGAWA

2. Name and address of receiving party(ies)

Name: NEC Corporation

Address: 7-1, Shiba 5-chome
Minato-ku
Tokyo
108-8001
Japan

Additional name(s) of conveying party(ies) attached?

Yes No

Additional name(s) and address(es) attached?

Yes No

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other: _____

Execution Date: January 14, 2004

4. Application number(s) or patent number(s):

This document is being filed with a new application, the execution date of the application is: January 14, 2004

A. Patent Application No(s).

10/503,269

B. Patent No(s).

Additional numbers attached? Yes No

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

Customer No.: 00466
YOUNG & THOMPSON
Second Floor
745 South 23rd Street
Arlington, VA 22202
Phone: 703-521-2297
Fax: 703-685-0573

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit Account No. 25-0120

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Yolanda Reynolds

Name of Person Signing

Signature

August 2, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 2

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PATENT
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UNIVERSAL PATENT BUREAU

139

Docket No.

ASSIGNMENT

WHEREAS,

Norlyuki FUTAGAWA

hereafter referred to as "applicant(s)", have invented certain new and useful improvements in Quantum well structure and semiconductor device using it and manufacturing method of semiconductor device

- (a) for which an application for a United States patent was filed on August 2, 2004, Application No. 10/503,269.
- (b) for which an application for a United States patent was executed on

WHEREAS, NEC Corporation,

whose address is 7-1, Shiba 5-chome, Minato-ku Tokyo 108-8001, JAPAN,

hereinafter referred to as "assignee(s)", is desirous of acquiring the entire right, title and interest in and to the same,

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), the receipt whereof is acknowledged, and other good and valuable consideration, applicant(s), by these presents, do(es) hereby sell, assign and transfer unto said assignee(s) the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all patents which may be granted therefore in the United States, for its sole use and behoof, and for the use and behoof of its legal representatives, to the full end of the term for which said patents may be granted, as fully and entirely as the same would have been held by applicant(s) had this assignment and sale not been made.

Applicant(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said United States patents to said assignee(s).

Date 14 January 2004,

Noriyuki Futagawa
(signature) Norlyuki FUTAGAWA



Masato Kimura
[Signature]