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Form PTO-1595

RE

U.S. DEPARTMENT OF COMMERCE

(Rev. 5/39)

OMB No. 0651-0011 (exp. 4/94)

Patent and Trademark Office



102366644

1. Name of conveying party(ies):

NEC Corporation

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

Yes ___ No X

Nature of conveyance:

(X) Assignment

() Merger

() Security Agreement

() Change of Name

() Other:

Execution Date: January 10, 2003

2. Name and address of receiving party(ies)

Name: NEC Electronics Corporation

Internal Address: _____

Street Address: 1753 Shimonumabe, Nakahara-ku,Kawasaki, Kanagawa 211-8668 JAPANAdditional name(s) & address(es) attached? Yes X No

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

If this document is being filed together with a new application, the execution date of the applications is:

A. Patent Application No.(s) see attached schedule

B. Patent No.(s) see attached schedule

Additional numbers attached? Yes ___ No X

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

6.

Name: Patent GroupInternal Address: Choate, Hall & StewartStreet Address: 53 State Street, Exchange PlaceCity: Boston State: MA ZIP: 021096. Total number of applications and patents involved: 67. Total fee (37 CFR 3.41).....\$ \$240.00X Enclosed

____ Authorized to be charged to deposit account

8. Deposit account number:

(Attached 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.*Donald W. Muirhead; 33,978

Name of Person Signing

Signature

February 7, 2003

Date

Total number of pages including cover sheet, attachments, and document: 4

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HWD3521413v1

PATENT
REEL: 013746 FRAME: 0838

Additional Receiving Party

Name: NEC Corporation

Internal Address: _____

Street Address: 7-1, Shiba 5-chome

Minato-ku, Tokyo, JAPAN

SCHEDULE A

Patents

<u>Patent No.</u>	<u>Issue Date</u> (Year/Month/Day)
6424532	2002/7/23
6509776	2003/1/21

Patent Applications

<u>Serial No.</u>	<u>Filing Date</u> (Year/Month/Day)
09/221074	1998/12/28
09/738454	2000/12/15
09/826179	2001/4/4
09/833974	2001/4/12

Assignment

Whereas, NEC Corporation, a Japanese corporation, having a place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, hereinafter called Assignor, is the owner and assignee of record of the patents and pending applications listed on the attached Schedule A; and

Whereas, NEC Electronics Corporation, a Japanese corporation, having a place of business at 1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa 211-8668, Japan, hereinafter called Assignee, desires to acquire one-half (50%) of the Assignor's entire right, title, and interest in said patents and applications listed on the attached Schedule A;

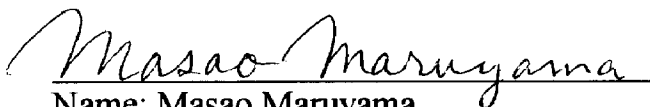
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged;

Assignor hereby sells, assigns and transfers to Assignee, its successors and assigns, 50% of its entire right, title and interest including rights to recover for past infringement in the patents and applications listed on the attached Schedule A;

IN WITNESS WHEREOF, Assignor has executed this Assignment by proper persons duly authorized.

NEC Corporation

Date: January 10, 2003



Name: Masao Maruyama

Title: Chief Manager

Planning Division

Intellectual Asset Operations Unit

Witness:

January 10, 2003

Date:



Name: Akira Muto