Docket No.: 19518 U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 (Modified) **? SHEET** 01-27-2006 (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) $_{\mathsf{Y}}$ P08A/REV03 1100 Tab settings -103166379 ecord the attached original documents or copy thereof. To the Director of the United State Name and address of receiving party(ies): 1. Name of conveying party(ies): Tsutomu HIROYA Name: NEC Corporation Ken SUMIYOSHI Kouji SHIGEMURA 7-1, Shiba 5-chome Address: Minato-ku 3. Nature of conveyance: ■ Assignment ☐ Merger City: Tokyo ☐ Security Agreement Change of Name State/Prov.: Japan Other _ Country: Execution Date: January 11, 2006 ⊠ No Additional name(s) & address(es) attached? ☐ Yes 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: January 11, 2006 Patent Application No. Filing date B. Patent No.(s) Additional numbers attached?

Yes

No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Paul J. Esatto, Jr. 7. Total fee (37 CFR 3.41):.....\$ 40.00 Registration No. 30,749 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: SCULLY, SCOTT, MURPHY & PRESSER Authorized to be charged to deposit account 400 Garden City Plaza - Suite 300 8. Deposit account number: 19-1013/SSMIN /26/2006 LMUELLER 00000007 11334681 City: Garden City State/Prov.: NY duplicate copy of this page if paying by deposit account Country: U.S.A. ZIP: 11530 DO NOT USE THIS SPACE 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 copyof the original document.

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

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P.O. Box 1450, Alexandria, VA 22313-1450

Signature

Paul J. Esatto, Jr.

Name of Person Signing

January 18, 2006

Date

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we , the undersigned,

Tsutomu HIROYA, Ken SUMIYOSHI and Kouji SHIGEMURA

Hereby sell, assign and transfer to NEC Corporation

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed on any of said improvements disclosed in said application; and in and to all original and reissued patents which have been or shall be issued on said improvements:

Authorize and request the Commissioner of Patents to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said improvements, or any of them, disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent for said improvements, or any of them; and may claim, in applications for said foreign Letters Patent, the

PATENT REEL: 017495 FRAME: 0011 priority of the aforesaid United States application under the provisions of the International Convention; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives;

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Fratomer Hiroga (18)
Tsutomu HIROYA,

Data

and

January 11, 2006

Witness:

Witness:

PATENT REEL: 017495 FRAME: 0012

Ren Sumyosh & Ken SUMIYOSHI

Date: January 11, 2006

Witness: Junto Kimuro

Witness

Kouji Shi'gemura (F)
Kouji SHIGEMURA

RECORDED: 01/18/2006

Witness:

PATENT REEL: 017495 FRAME: 0013