U.S. Department of Commerce U.S. Patent and Trademark Office Form PTO-1595 R SHEET 06-29-2004 1486562 the attached original documents or copy thereof. To the Honorable Commissions 102779741 1. Name of Conveying Party(ies): Name and address of receiving party(ies) Wataru HATTORI **NEC Corporation** Name: 5-11.04 Address: 7-1, Shiba 5-chome Minato-ku Tokyo Additional name(s) of conveying party(ies) attached? Japan ☐ Yes ☑ No Additional name(s) and address(es) attached? 3. Nature of Conveyance: ☐ Yes ☑ No Assignment Merger Security Agreement Change of Name Other: Execution Date: January 19, 2004 10486562 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 19, 2004 A. Patent Application No(s). В. Patent No(s). Additional numbers attached? ☐ Yes ☒ No Total number of applications and patents Name and address of party to whom correspondence 5. 6. concerning document should be mailed: involved: 1 Total fee (37 CFR 3.41).....\$40.00 Customer No.: 00466 7. YOUNG & THOMPSON Enclosed Second Floor Authorized to be charged to deposit account 745 South 23rd Street 8. Deposit Account No. 25-0120 Arlington, VA 22202 (Attach duplicate copy of this page if paying by deposit account) Phone: 703-521-2297 Fax: 703-685-0573 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 copy of the original document. Yolanda Reynolds February 11, 2004 Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 2

Y&T February 11, 2004

ASSIGNMENT

	WATARU HATTORI
	of Tokyo, Japan
	erred to as "applicant(s)", have invented certain new and useful improvements in
(a)	for which an application for a United States patent was filed on, Application No
(b)	for which an application for a United States patent was executed on
WHEI	REAS, NEC Corporation
whose addres	The state of the s
whereof is a	, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), the tacknowledged, and other good and valuable consideration, applicant(s), be es) hereby sell, assign and transfer unto said assignee(s) the full and exclusive
whereof is a presents, do(the said inve patents which	cknowledged, and other good and valuable consideration, applicant(s), b
whereof is a presents, do(the said inve- patents which the use and may be gran	acknowledged, and other good and valuable consideration, applicant(s), bes) hereby sell, assign and transfer unto said assignee(s) the full and exclusive intion in the United States and the entire right, title and interest in and to any may be granted therefore in the United States, for its sole use and behoof, behoof of its legal representatives, to the full end of the term for which said ted, as fully and entirely as the same would have been held by applicant(s)
whereof is a presents, do(the said inve patents which the use and may be gran- assignment a	icknowledged, and other good and valuable consideration, applicant(s), bes) hereby sell, assign and transfer unto said assignee(s) the full and exclusive intion in the United States and the entire right, title and interest in and to any in may be granted therefore in the United States, for its sole use and behoof, behoof of its legal representatives, to the full end of the term for which said ted, as fully and entirely as the same would have been held by applicant(s) and sale not been made.
whereof is a presents, do(the said inverse patents which the use and may be grant assignment a Applic	acknowledged, and other good and valuable consideration, applicant(s), bes) hereby sell, assign and transfer unto said assignee(s) the full and exclusive intion in the United States and the entire right, title and interest in and to any may be granted therefore in the United States, for its sole use and behoof, behoof of its legal representatives, to the full end of the term for which said ted, as fully and entirely as the same would have been held by applicant(s)
whereof is a presents, do(the said inverse patents which the use and may be grant assignment a Applic	acknowledged, and other good and valuable consideration, applicant(s), bes) hereby sell, assign and transfer unto said assignee(s) the full and exclusive intion in the United States and the entire right, title and interest in and to any in may be granted therefore in the United States, for its sole use and behoof, behoof of its legal representatives, to the full end of the term for which said ted, as fully and entirely as the same would have been held by applicant(s) and sale not been made. Stant(s) hereby authorize(s) and request(s) the Commissioner of Pater to issue said United States patents to said assignee(s).
whereof is a presents, do(the said inverse patents which the use and may be grant assignment and Application Trademarks to the said inverse patents which is a said in the said inverse patents and said in the said inverse patents and said inverse	icknowledged, and other good and valuable consideration, applicant(s), bes) hereby sell, assign and transfer unto said assignee(s) the full and exclusive intion in the United States and the entire right, title and interest in and to any in may be granted therefore in the United States, for its sole use and behoof, behoof of its legal representatives, to the full end of the term for which said ted, as fully and entirely as the same would have been held by applicant(s) and sale not been made. Fant(s) hereby authorize(s) and request(s) the Commissioner of Pater to issue said United States patents to said assignee(s). Wataru Hattori
whereof is a presents, do(the said inverse patents which the use and may be grant assignment at Application Trademarks to Date January Date Date Date	icknowledged, and other good and valuable consideration, applicant(s), bes) hereby sell, assign and transfer unto said assignee(s) the full and exclusive intion in the United States and the entire right, title and interest in and to any in may be granted therefore in the United States, for its sole use and behoof, behoof of its legal representatives, to the full end of the term for which said ited, as fully and entirely as the same would have been held by applicant(s) and sale not been made. Earl(s) hereby authorize(s) and request(s) the Commissioner of Pater to issue said United States patents to said assignee(s). Wataru Hattori (signature) (signature)
whereof is a presents, do(the said inverse patents which the use and may be grant assignment and Application Trademarks to the January Date January Date	acknowledged, and other good and valuable consideration, applicant(s), be es) hereby sell, assign and transfer unto said assignee(s) the full and exclusive intion in the United States and the entire right, title and interest in and to any in may be granted therefore in the United States, for its sole use and behoof, behoof of its legal representatives, to the full end of the term for which said ted, as fully and entirely as the same would have been held by applicant(s) and sale not been made. Stant(s) hereby authorize(s) and request(s) the Commissioner of Pater to issue said United States patents to said assignee(s). Wataru Hattori (signature) (signature)

PATENT
RECORDED: 02/11/2004 REEL: 015501 FRAME: 0300