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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies): Name: NEC CORPORATION Atsunori HIROBE Kyoichi NAGATA Internal Address: Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance: Merger Street Address: 7-1, Shiba 5-chome, Minato-ku Assignment ☐ Change of Name ☐ Security Agreement **JAPAN** Tokyo State: **XIX**X City: Other ____ Execution Date: October 19, 1999 Additional name(s) & address(es) attached? Yes XI No Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: October 19, 1999 09.427955 B. Patent No.(s) A. Patent Application No.(s) 11/03/1999 AHAYES 00000020 09427955 40.00 BP) 04 FC:581 Additional numbers attached?

Yes

No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Norman P. Soloway Name: _ 7. Total fee (37 CFR 3.41):.....\$ 40.00 Internal Address: __ Enclosed Authorized to be charged to deposit account Street Address: HAYES, SOLOWAY, HENNESSEY, GROSSMAN & HAGE 8. Deposit account number: 08-1391 175 Canal Street (Attach duplicate copy of this page if paying by deposit account) Manchester State: NH ZIP: 03101 City: _ 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. Lorner Norman P. Soloway October 27, 1999 Name of Person Signing Total number of pages comprising opver sheet:

ASSIGNMENT

FOREIGN - IN THE UNITED STATES OF AMERICA

IWwe, ATSUNORI HIROBE and KYOICHI NAGATA
of Tokyo, Japan
having invented certain inventions and improvements in
and having executed an application for Letters Patent of the United
States of America describing the same and based thereon on
October 19 , 19 99, for good and valuable consideration, the
receipt of which is hereby acknowledged, from NEC Corporation,
a <u>Japanese</u> corporation
having its principal place of business at
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan (hereinafter
called the Assignee), do hereby sell, assign and transfer unto the
Assignee, its successors, and assigns our entire rights, title, and
interest, in and to said invention in the United States of America,
including all rights, title and interest in the above-mentioned
application and any divisional, continuing or reissue application or
applications, and any patent which may be issued on the said invention
in the United States of America.

And for the same consideration, I/we do hereby agree that I/we will upon request execute any instrument which the Assignee may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application.

And I/we do hereby authorize the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignee.

PATENT REEL: 010355 FRAME: 0320 And I/we do hereby jointly and severally covenant for ourselves and for our legal representatives that I/we have granted no right or license to make, use, or sell said inventions to anyone except the Assignee, that prior to the execution of this deed our rights, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by us, and that I/we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we have hereunto set our hands and seals on the day and year hereinafter noted.

Sole or First	
Inventor's signature <u>Utannoni 7907 de B</u>	ate <u>October 19, 19</u> 99
Full name (typed or printed) ATSUNORI HIROBE	
Witness: Witness: Witness: Date: October	
Second Inventor's signature Majoria Date Full name (typed or printed) KYOICHI NAGATA	e <u>October 19, 1999</u>
Witness: 2ditoshi Ulkai Witness: Date: October 19, 1999 Date: October 1	2 minds
Date: October 19, 1999 Date: October 1	9, 1999
Third Inventor's	
signature Dat	e
Full name (typed or printed)	
Witness: Atlash Ulbai Witness: Date:	Donada

RECORDED: 10/27/1999