Fo m PTO-1595 (modified)		HEET U.S. DEPARTMENT OF COMMERCE
(Rev. 03/01)		U.S. Patent and Trademark Office
ON B No. 0651-0027  To the Honorable Commissioner	102428945	
1. Name of conveying party(ies):	***************************************	.tached original documents or copy thereof.  dress of receiving party(ies):
H leaki NAGATA	NEC CORPORA	
4-15-	7-1, Shiba 5-chor Minato-ku, Tokyo	
At litional name(s) of conveying party(ies) attached	d? □ Yes ☑ No	Įį.
3. Nature of conveyance:		
E Assignment ☐ Merger		
☐ Security Agreement ☐ Change of N	ame	
[] Other		
Execution Date: April 7, 2003	(-)	) & address(es) attached? ☐ Yes ☑ No
4. Application number(s) or patent number	104134	108
		date of the application is: April 7, 2003
A. Patent Application No.(s)	B. Patent No.(s	s)
		_
		Yes 🗹 No
5. Name and address of party to whom corr concerning document should be mailed:	respondence   6. Total number	of applications and patents involved:
SUGHRUE MION, PLLC	7. Total fee (37 C	•
WASHINGTON OFFICE	☑ Enclosed.	,
:   <b>       </b>		d to be charged to Deposit Account No. 19-4880.
1 188 (18 5) B 19 5) B 19 19 19 18 18 18 18 18 18 18 18 18 18 18 18 18		s directed and authorized to charge all required
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To the best of my knowledge and belief, original document.	the foregoing information is true and	d correct and any attached copy is a true copy of the  April 15, 2003
J. Frank Osha	Reg. No. 24,625	Date
	-	manufactured discussion ( )
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ivian document	Commissioner of Patents & Trade	
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**PATENT** REEL: 013981 FRAME: 0456

## **Assignment**

	Tokyo, JapanHIDEAKI NAGATAO	f
hereinafter called assi	ignor(s), have invented certain improvements in	
and executed an appli	ication for Letters Patent of the United States of America therefor on 3; and	_
Whereas,	NEC Corporation	
	7-1, Shiba 5-chome,	
	Minato-ku, Tokyo, Japan	
	sires to acquire the entire right, title, and interest in the application and United States patents to be obtained therefor;	
Now therefore	e, for valuable consideration, receipt whereof is hereby acknowledged,	
under 35 U.S.C. §119 any Letters Patent grasuccessors and assign	nerein for the United States of America, including the right to claim priority, and I/warequest the Director – U.S. Patent and Trademark Office to issuanted upon the invention set forth in the application to the assignee, its as; and I/wa will execute without further consideration all papers deemed gnee in connection with the United States application when called upon to	
	•	
do so by the assignee.  I/WX hereby a	authorize and request our attorneys SUGHRUE MION, PLLC of 2100	
do so by the assignee. I/ <b>W% hereby a</b> Penasylvania Avenue	authorize and request our attorneys SUGHRUE MION, PLLC of 2100 c, NW, Washington, DC 20037-3213 to insert here in parentheses	
do so by the assignee.  I/WX hereby a Pennsylvania Avenue (Application number	authorize and request our attorneys SUGHRUE MION, PLLC of 2100 e, NW, Washington, DC 20037-3213 to insert here in parentheses and Confirmation number , filed ) the filing date	
do so by the assignee.  I/WX hereby a Pennsylvania Avenue (Application number	euthorize and request our attorneys SUGHRUE MION, PLLC of 2100 e, NW, Washington, DC 20037-3213 to insert here in parentheses and Confirmation number	
do so by the assignee.  I/WX hereby a Pennsylvania Avenue (Application number) and application numb	authorize and request our attorneys SUGHRUE MION, PLLC of 2100 e, NW, Washington, DC 20037-3213 to insert here in parentheses  and Confirmation number, filed) the filing date per of said application when known.	
I/WX hereby a Pennsylvania Avenue (Application number and application numb  Date 4/7/2003	authorize and request our attorneys SUGHRUE MION, PLLC of 2100 e, NW, Washington, DC 20037-3213 to insert here in parentheses and Confirmation number, filed) the filing date per of said application when known.	
do so by the assignee.  I/WX hereby a Penasylvania Avenue (Application number and application numb	authorize and request our attorneys SUGHRUE MION, PLLC of 2100 e, NW, Washington, DC 20037-3213 to insert here in parentheses  and Confirmation number, filed) the filing date per of said application when known.	

(Leg lization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

**RECORDED: 04/15/2003** 

PATENT REEL: 013981 FRAME: 0457