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## RECORDATION PATE:



**ET NO: M-3713 US** 

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

## 100992760 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies) 2. Name and address of receiving party(ies): Name: NEC Electronics, Inc. Hemant K. Thapar (a) Internal Address: \_\_\_ (b) Shih-Ming Shih Kwok W. Yeung (c) Additional name(s) of conveying party(ies) attached? ⊠ No Yes Street Address: 2880 Scott Boulevard 3. Nature of Conveyance: City Santa Clara State California ZIP 95050 Merger Additional name(s) & address(es) attached? Yes ⊠ No Security Agreement ☐ Change of Name Other \_\_\_\_ March 15, 1999 Execution Date: 4. 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: A. Patent Application No.(s) - 08/800,989 B. Patent No.(s) PRML System With Reduced Complexity Maximum N/A Likelihood Detector Filed: February 18, 1997 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: Alan H. MacPherson Internal Address: SKJERVEN, MORRILL, MacPHERSON, FRANKLIN & FRIEL LLP 7. Total fee (37 CFR 3.41): ......\$40.00 Street Address: 25 METRO DRIVE, SUITE 700 Authorized to be charged to Deposit Account 19-2386 City SAN JOSE State CA ZIP 95110 Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid 03/23/1999 JSHABAZZ 00000172 192386 08800989 DO NOT USE THIS SPACE 40.00 CH FC:581 8. 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 Total number of pages comprising cover sheet: 3

Attorney Docket No.: M-3713 US

## **ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, we

Hemant K. Thapar	of _	7259 Scarsdale Place, San Jose, CA 95120
Shih-Ming Shih	of _	18720 Vista De Almaden, San Jose, CA 95120
Kwok W. Yeung	of	465 Paseo Refugio, Milpitas, CA 95035

hereby sell, assign and transfer to NEC Electronics Inc., a California corporation, having a place of business at 2880 Scott Boulevard, Santa Clara, CA 95050, its successors and assigns, the entire right, title and interest throughout the world in our invention in

PRML System With Reduced Complexity Maximum Likelihood Detector

for which we filed a United States Patent Application on February 18, 1997, and now has Serial No. 08/800,989, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this \\ \( \) day of March, 1999.	
	Jan Est
	Hemant K. Thapar
State of California ) ss. County of Sente Mana	
whose name is subscribed to the within instrument an	d to me on the basis of satisfactory evidence to be the person and acknowledged to me that he executed the same in his instrument the person, or the entity upon behalf of which the

ELEANOR GILBERT
COMM. \$1059588
NOTARY PUBLIC - CALIFORNIA
SANTA CLARA COUNTY
My Comm. Expires July 29, 1999

SIGNATURE OF NOTARY

WITNESS my hand and official seal.

Attorney Docket No.: M-3713 US

Executed this $/\sqrt{1}$ day of March, 1999.	Shin Mic
	Shih-Ming Shih
State of California ) ss. County of Santa Class )	
Shih-Ming Shih personally known to me or proved whose name is subscribed to the within instrument a	to me on the basis of satisfactory evidence to be the person and acknowledged to me that he executed the same in his e instrument the person, or the entity upon behalf of which the
ELEANOR GILBERT	WITNESS my hand and official seal.
FINOTARY PUBLIC - CALIFORNIA 8 SANTA CLARA COUNTY SANTA CLARA COUNTY My Comm. Expires July 29, 1999 \$	Coleman Hiller V
**** <del>*********************************</del>	SIGNATURE OF NOTARY
Executed this <u>/ 5</u> day of March, 1999.	Kun Wich y
State of California	Kwok W. Yeung
Executed this <u>15</u> day of March, 1999.  State of California ) ss.  County of <u>Santallana</u>	Kwaz Wich J Kwok W. Yeung
State of California ) ss.  County of Section 1 before me,  Kwok W. Yeung personally known to me or proved whose name is subscribed to the within instrument a	Kwok W. Yeung  Kwok W. Yeung  ELIMON GRAND personally appeared to me on the basis of satisfactory evidence to be the person and acknowledged to me that he executed the same in his instrument the person, or the entity upon behalf of which the
State of California ) ss.  County of before me, kwok W. Yeung personally known to me or proved whose name is subscribed to the within instrument a authorized capacity, and that by his signature on the	personally appeared to me on the basis of satisfactory evidence to be the person and acknowledged to me that he executed the same in his
State of California ) ss.  County of before me, kwok W. Yeung personally known to me or proved whose name is subscribed to the within instrument a authorized capacity, and that by his signature on the	personally appeared to me on the basis of satisfactory evidence to be the person and acknowledged to me that he executed the same in his instrument the person, or the entity upon behalf of which the

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**RECORDED: 03/19/1999**