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To the Commissioner of Patents and

original documents or copy thereof.

1. Name of conveying party(ies):
Wong Hee
Abhijit Phanse

Name and address of receiving party(ies):

Name: NATIONAL SEMICONDUCTOR CORPORATION

Internal Address: M/S D3-579

Street Address: 2900 Semiconductor Drive

City, State and Zip: Santa Clara, CA 95051-8090

Additional name(s) of conveying party(ies) attached?

Yes No

Additional Name(s) & address(es) attached?

Yes No

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: May 11, 1998

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: May 11, 1998

A. Patent Application No.(s)
NEW

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark A. Dalla Valle

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Attorney Docket No. NSC1-A9010 [NS3457-NP]

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

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Mark A. Dalla Valle, Reg. No. 34,147

Name of Person Signing

Signature

May 12, 1998

Date

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PATENT

ASSIGNMENT

WHEREAS, WE, Wong Hee and Abhijit Phanse, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: PEAK ERROR DETECTOR

Application Execution Date: May 11, 1998

Filing Date: HEREWITH

Application No.: NEW;

WHEREAS, NATIONAL SEMICONDUCTOR CORPORATION, a corporation of the State of Delaware, 2900 Semiconductor Drive, M/S D3-579, Santa Clara, California 95051-8096, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to Assignors by Assignee, receipt of which is hereby acknowledged, Assignors has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: May 11, 1998 Wong Hee
State of California
County of Santa Clara
Wong Hee

On May 11, 1998 before me, Jennifer L. Griffin, Notary Public, personally appeared Wong Hee, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person , or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.
Jennifer L. Griffin
Signature of Notary



PATENT

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: May 11, 98

Abhijit Phanse
Abhijit Phanse

State of California

County of Santa Clara

On May 11, 1998 before me, Jennifer L. Griffin, Notary Public

personally appeared Abhijit Phanse, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature on the instrument the person , or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Jennifer L. Griffin
Signature of Notary

