

11-08-2000



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Assignment Security Agreement

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Mark if additional names of conveying parties attached

Name (line 1)	Execution Date		
	Month	Day	Year
Abhijit M. Phanse	09	18	2000

Second Party

Name (line 1)	Execution Date		
	Month	Day	Year
Michael X. Maida	09	18	2000

Receiving Party

Mark if additional names of receiving parties attached

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) National Semiconductor Corporation

Name (line 2) _____

Address (line 1) 2900 Semiconductor Drive

Address (line 2) _____

Address (line 3) Santa Clara California 95051
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name _____

Address (line 1) _____

Address (line 2) _____

Address (line 3) _____

Address (line 4) _____

11/08/2000 00000007 140448 09570082

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Area Code and Telephone Number

972-680-4523

Name John L. Maxin

Address (line 1) National Semiconductor Corporation

Address (line 2) 801 East Campbell Road, Suite 525

Address (line 3) Richardson, TX 75080

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments.

2

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09570082

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40

Method of Payment:
Deposit Account

Enclosed Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

140448

Authorization to charge additional fees:

Yes No

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. Charges to deposit account are authorized, as indicated herein.

William A. Munck, Reg. No. 39,308

William A. Munck
Signature

Sept. 26, 2000
Date

Name of Person Signing

ASSIGNMENT OF APPLICATION

Docket Number (Optional)
P04731

Whereas, I, Abhijit M. Phanse of Santa Clara, California, hereafter referred to as applicant, have invented certain new and useful improvements in System and Method for Current Splitting for Variable Gain Control

for which an application for a United States Patent was filed on 12 May 2000,
Application Number 09 /570,082.

for which an application for a United States Patent was executed on _____, and

Whereas, National Semiconductor Corporation of Santa Clara, California 95051 herein referred to "assignee" whose post office address is 2900 Semiconductor Drive is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of two dollars (\$ 2.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this Eighteenth day of September, 2000,
at National Semiconductor Corp.

APhanse

(Signature)

State of California SS:
County of Santa Clara

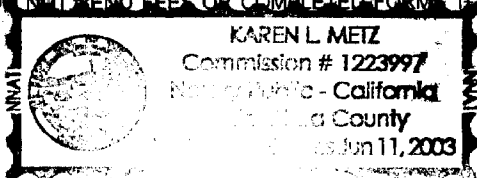
Before me personally appeared said Abhijit M. Phanse
and acknowledged the foregoing instrument to be his free act and deed this 18th
day of September, 2000.

Karen L. Metz

(Notary Public)

Seal

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.



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ASSIGNMENT OF APPLICATION

Docket Number (Optional)
P04731

Whereas, I, Michael X. Maida of San Jose, California, hereafter referred to as applicant, have invented certain new and useful improvements in System and Method for Current Splitting for Variable Gain Control

for which an application for a United States Patent was filed on 12 May 2000,
Application Number 09 /570,082

for which an application for a United States Patent was executed on _____, and

Whereas, National Semiconductor Corporation of Santa Clara, California 95051 herein referred to "assignee" whose post office address is 2900 Semiconductor Drive is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of two dollars (\$ 2.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 18th day of September, 2000,

at National Semiconductor Corporation

Michael X Maida

(Signature)

State of California SS:
County of Santa Clara

Before me personally appeared said Michael X. Maida
and acknowledged the foregoing instrument to be his free act and deed this 18th
day of September, 2000.

Karen L. Metz

(Notary Public)

Seal

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

