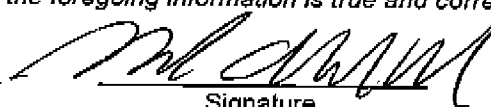


Form PTO-1595 (Rev. 10/02)		RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
OMB No. 0651-0027 (exp. 6/30/2005)					
Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼					
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Jonggook Kim, 10/16/03 Yun Liu, 10/17/03 Joseph A. De Santis 10/17/03			2. Name and address of receiving party(ies) Name: <u>National Semiconductor Corporation</u> Internal Address: _____ _____ Street Address: <u>2900 Semiconductor Drive</u> <u>M/S D3-579</u> City: <u>Santa Clara</u> State: <u>CA</u> Zip: <u>95051</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No					
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____					
Execution Date: <u>10/16/03; 10/17/03</u>					
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) <u>10/688,550</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Mark A. Dalla Valle</u> Internal Address: <u>Vedder, Price, Kaufman</u> <u>& Kammholz, P.C.</u> _____ Street Address: <u>222 N. LaSalle St.</u> <u>24th Floor</u> City: <u>Chicago</u> State: <u>IL</u> Zip: <u>60601</u>			6. Total number of applications and patents involved: <input type="checkbox"/> 7. Total fee (37 CFR 3.41).....\$ <u>0.00</u> Fee previously paid on October 17, 2003 for Pat. <input checked="" type="checkbox"/> Enclosed App. No. 10/688,550 <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>22-0259</u> (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>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.</i> <u>Mark A. Dalla Valle</u>  <u>6/1/04</u> Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and documents: <input type="checkbox"/>					

10-29-2003

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J.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jonggook Kim, 10/16/03
Yun Liu, 10/17/03
Joseph A. De Santis 10/17/03

2. Name and address of receiving party(ies)

Name: National Semiconductor Corporation

Internal Address:

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Street Address: 2900 Semiconductor Drive

M/S D3-579

City: Santa Clara State: CA Zip: 95051

Execution Date: 10/16/03, 10/17/03

Additional name(s) & address(es) attached? ☐ Yes ☐ No

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)

B. Patent No.(s)

10/23/2003 SZEWDIE1 00000022 10688550

01 FC:8071

40.00

Additional numbers attached? ☐ Yes ☐ No

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

Name: Mark A. Dalla Valle

Internal Address: Vedder, Price, Kaufman
& Kammholz, P.C.

Street Address: 222 N. LaSalle St.

24th Floor

City: Chicago State: IL Zip: 60601

6. Total number of applications and patents involved:

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

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

22-0259

(Attach duplicate copy of this page if paying by deposit account)

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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.

Mark A. Dalla Valle

Name of Person Signing

Signature

10/17/03

Date

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PATENT
REEL: 014680 FRAME: 055419270 U.S. PTO
10/688550
101703

PATENT

Attorney Docket No.P05779 [11461.00.5779]

ASSIGNMENT

WHEREAS, WE, Jonggook Kim, Yun Liu and Joseph A. De Santis, 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: METHOD FOR QUANTIFYING SAFE OPERATING AREA FOR BIPOLAR JUNCTION TRANSISTOR

Application Execution Date:

Filing Date: Appln. No.:

WHEREAS, NATIONAL SEMICONDUCTOR CORPORATION, a corporation of the State of Delaware, 2900 Semiconductor Drive, M/S D3-579, Santa Clara, California 95051-8090, 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 name to this assignment on the dates indicated below.

Dated: Oct. 16, 2003

Jonggook Kim
JONGGOOK KIM

State of California

County of Santa Clara

On 10/16/03 before me, Karen L. Metz,
personally appeared Jonggook Kim, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his 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.

Karen L. Metz
Signature of Notary

PATENT

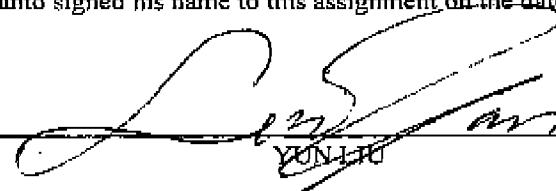
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PATENT

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

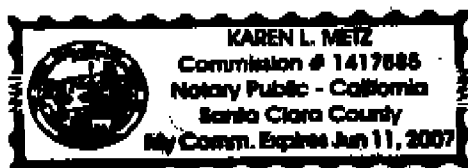
Dated: 10/17/2003


YUN LIU

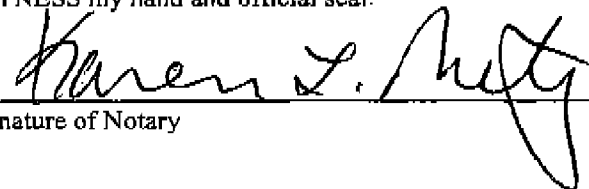
State of California

County of Santa Clara

On 10/17/03 before me, Karen L. Metz
personally appeared Yun Liu, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his/her/their authorized capacity, and that by his 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.


Signature of Notary

SEAL

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

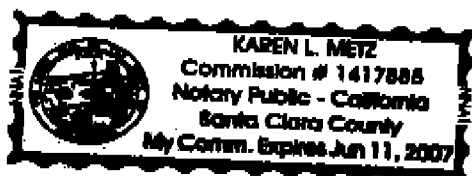
Dated: 10/17/03


JOSEPH A. DE SANTIS

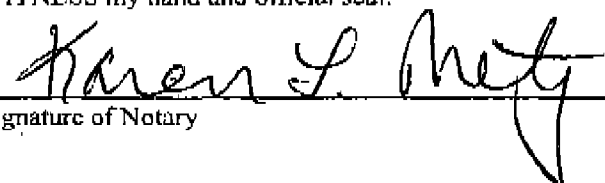
State of California

County of Santa Clara

On 10/17/03 before me, Karen L. Metz
personally appeared Joseph A. De Santis, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his 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.


Signature of Notary

SEAL