

05-16-2001

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U.S. DEPARTMENT OF COMMERCE

**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

 Patent and Trademark Office  
 Docket No. 072219-0276260 (P04941)

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

1. Name of conveying party(ies): <b>VLADISLAV VASHCHENKO</b> <b>ANDY STRACHAN</b> <b>PETER HOPPER</b> <i>05/08/01</i> <input checked="" type="checkbox"/> Individual(s) <input type="checkbox"/> Association <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Corporation-State <input type="checkbox"/> Other Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: <b>NATIONAL SEMICONDUCTOR CORPORATION</b> Address: 2900 Semiconductor Drive, M/S D3-579 City: Santa Clara      State: CA Zip Code: 95051-8090 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" 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: April 27, 2001	
4. Application number(s) or patent number(s): <b>NEW</b> If this document is being filed with a new application, the execution date of the application is: April 27, 2001 A. Patent Application No.(s):      B. Patent No.(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>09/851280</i>	
5. Name and address of party to whom correspondence concerning document should be mailed:  Mark C. Pickering, Esq. PILLSBURY WINTHROP LLP 50 Fremont Street, 5th Floor San Francisco, CA 94105 Customer No. 27271	6. Total number of applications and patents involved: <b>1</b> 7. Total fee (37 C.F.R. § 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account. 8. Deposit account number: <b>03-3975</b>
The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-3975	
<b>DO NOT USE THIS SPACE</b>	
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.  Name: Mark C. Pickering <i>Mark Pickering</i> Date: <i>5-8-01</i> Registration No. 36,239      Signature	
Total number of pages comprising cover sheet, attachments and document: <b>3</b>	
Mail documents to be recorded with required cover sheet information to: U.S. Patent and Trademark Office Office of Public Records Box Assignments Crystal Gateway 4, Room 335 Washington, D.C. 20231	

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**PATENT**  
**REEL: 011791 FRAME: 0092**

ASSIGNMENT

WHEREAS, WE, VLADISLAV VASHCHENKO, ANDY STRACHAN and PETER HOPPER 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 OF FORMING A ZENER DIODE IN A NPN AND PNP BIPOLAR PROCESS FLOW THAT REQUIRES NO ADDITIONAL STEPS TO SET THE BREAKDOWN VOLTAGE

Application Execution Date: \_\_\_\_\_

Filing Date: HEREWITH Appln. No.: NEW

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/her name to this assignment on the dates indicated below.

Dated: 04.27.2001



VLADISLAV VASHCHENKO

State of California

County of Santa Clara

On 4-27-01 before me, Karen L. Metz,  
personally appeared Vladislav Vashchenko, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) 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(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Karen L. Metz  
Signature of Notary

SEAL

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Asmt3

Rev. 04/11/00

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

Dated: 4/27/2001

Andy Strachan

ANDY STRACHAN

State of California

County of Santa Clara

On 4-27-01 before me, Karen L. Metz,  
personally appeared Andy Strachan, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) 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(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Karen L. Metz

Signature of Notary

SEAL

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

Dated: 4.27.01

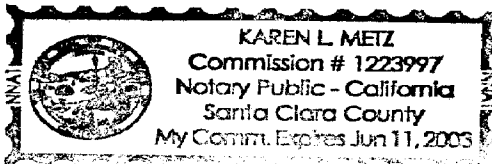
Peter Hopper

PETER HOPPER

State of California

County of Santa Clara

On 4-27-01 before me, Karen L. Metz,  
personally appeared Peter Hopper, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) 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(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Karen L. Metz

Signature of Notary

SEAL