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ial documents or copy thereof.

1. Name of conveying party(ies):  
VLADISLAV VASHCHENKO  
PETER J. HOPPER

*10-6-00*

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

2. 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

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: OCTOBER 3, 2000

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**PTO**  
**09/28/00**  
**10/06/00**

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: 10/03/00

A. Patent Application No.(s)  
*09 680580*

B. Patent No.(s)

Additional numbers attached?  Yes  No

6. Total number of applications and patents involved: 1

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

Name: Mayumi Maeda

Internal Address: Limbach & Limbach L.L.P.  
 Street Address: 2001 Ferry Building  
 City, State, ZIP: San Francisco, California 94111  
 Telephone: (415) 433-4150  
 Facsimile: (415) 433-8716

Attorney Docket No. NSC1-H1400 [P04801]

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

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*11/02/2000 MGORDON 00000059 09680580*

*08 FC:581* Mayumi Maeda, Reg. No. 400008 OP  
Name of Person Signing

*[Signature]*  
Signature

*10/6/00*  
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**ASSIGNMENT BY INVENTORS**

**THIS ASSIGNMENT**, made this 3rd day of October, 2000 by Vladislav Vashchenko and Peter J. Hopper, (hereinafter referred to as Assignors), residing at 39939 Stevenson Cmn., Fremont, California 94538 and 4327 Verdigris Circle, San Jose, California 95134, respectively

**WHEREAS**, Assignors have invented certain new and useful improvements in **MOSFET-BASED ELECTROSTATIC DISCHARGE (ESD) PROTECTION STRUCTURE WITH A FLOATING HEAT SINK**, set forth in an application for Letters Patent of the United States, already filed on Not Yet Assigned as U.S. application Serial No. Not Yet Assigned; and

**WHEREAS**, National Semiconductor Corp., a corporation organized under and pursuant to the laws of Delaware having its principal place of business at Intellectual Property Group, Trademark Department, M/S D3-579, 2900 Semiconductor Drive, Santa Clara, California 95052-8090 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title

and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

LIMBACH & LIMBACH L.L.P.

Karl A. Limbach, 18,689; George C. Limbach, 19,305; John K. Uilkema, 20,282; Neil A. Smith, 25,441; Veronica Colby Devitt, 29,375; Ronald L. Yin, 27,607; Gerald T. Sekimura, 30,103; Michael A. Stallman, 29,444; Philip A. Girard, 28,848; Michael J. Pollock, 29,098; Stephen M. Everett, 30,050; Alfred A. Equitz, 30,922; Charles P. Sammut, 28,901; Mark C. Pickering, 36,239; Patricia Coleman James, 37,155; Kathleen A. Frost, 37,326; Alan A. Limbach, 39,749; Douglas C. Limbach, 35,249; Cameron A. King, 41,897; Kyla L. Harriel, 41,816; Mayumi Maeda, 40,075; Michael R. Ward, 38,651; Charles L. Hamilton, 42,624; Andrew V. Smith, 43,132; Eric N. Hoover, 37,355; Frank J. Mycroft, P-46,946; Parisa Jorjani, P-46,813; J. Thomas McCarthy, 22,420; Roger S. Sampson, 44,314; Robert M. McConnell, P46,912; and Susan M. Schmitt, 34,427

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

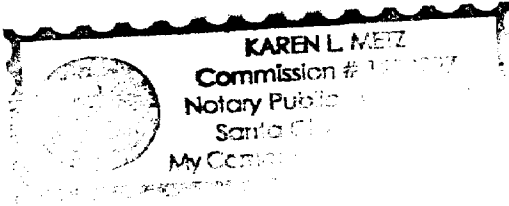
*[Handwritten signature]*

Vladislav Vashchenko

Date: 10.03.00

United States of America )  
State of California ) ss.:  
County of Santa Clara )

On this 3rd day of October, 2000, before me personally came Vladislav Vashchenko, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



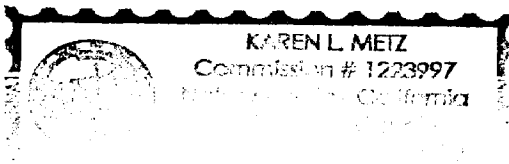
*[Handwritten signature]*  
Notary Public

*[Handwritten signature]*  
Peter J. Hopper

Date: 10.3.00

United States of America )  
State of California ) ss.:  
County of Santa Clara )

On this 3rd day of October, 2000, before me personally came Peter J. Hopper, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



*[Handwritten signature]*  
Notary Public