

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

01-15-2003

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

102337603  
RECORDATION FORM  
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SHEET

U.S. PTO  
10/339192

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

☒ **New** 1-9-03  
☐ **Resubmission (Non-Recordation)**  
Document ID#   
☐ **Correction of PTO Error**  
Reel #  Frame #   
☐ **Corrective Document**  
Reel #  Frame #

**Conveyance Type**

☒ **Assignment** ☐ **Security Agreement**  
☐ **License** ☐ **Change of Name**  
☐ **Merger** ☐ **Other**   
**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)  
☐ **Departmental File** ☐ **Secret File**

**Conveying Party(ies)**

☐ **Mark if additional names of conveying parties attached** Execution Date  
Month Day Year  
11/12/02

Name (line 1) Vladislav Vashchenko

Name (line 2) Ann Concannon

**Second Party**

Name (line 1) Ann Concannon

Execution Date  
Month Day Year  
11/5/02

Name (line 2)

**Receiving Party**

☐ **Mark if additional names of receiving parties attached**

Name (line 1) National Semiconductor Corp.

Name (line 2) 2900 Semiconductor Drive

Address (line 1) M/S D3-579

Address (line 2)

Address (line 3) Santa Clara CA 95051

City

State/Country

Zip Code

☐ 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.)

10339192

**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)

01/13/2003 NMOHAMM1 00000057 10339192

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40.00 DP

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Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT**  
**REEL: 013664 FRAME: 0158**

**Correspondent Name and Address**

Area Code and Telephone Number **408-667 1289**

Name **Jurgen Vollrath**

Address (line 1) **588 Sutter Street # 531**

Address (line 2)

Address (line 3) **San Francisco, CA**

Address (line 4) **94102**

**Pages**

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

#

**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)**

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

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**Number of Properties**

Enter the total number of properties involved.

#

**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:

#

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.*

*JURGEN VOLLRATH*

Name of Person Signing

*J. Vollrath*

Signature

*1/9/03*

Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

10/339192  
01/09/03

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Marcel ter Beek

Execution Date  
Month Day Year  
11/5/02

Name (line 2)

Name (line 1) Peter J. Hopper

Execution Date  
Month Day Year  
11/5/02

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

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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)



**ASSIGNMENT OF APPLICATION**

Docket Number (Optional)

P25412

Whereas, I, Vladislav Vahschenko of National Semiconductor Corp., hereafter referred to as applicant, have invented certain new and useful improvements in \_\_\_\_\_  
ESD Protection Cluster and Method of Providing Multi-Port ESD Protection

☐ for which an application for a United States Patent was filed on \_\_\_\_\_,  
Application Number \_\_\_\_\_/\_\_\_\_\_.

☒ for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, National Semiconductor of \_\_\_\_\_ herein referred to  
2900 Semiconductor Dr., Mail Stop D3-579, Santa Clara, CA  
"assignee" whose mailing address is 95051-8090 is de-

sirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$ 10.00 ), 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 12th day of November, 20 02,  
at National Semiconductor

State of California SS:

County of Santa Clara

Before me personally appeared said

and acknowledged the foregoing instrument to be his free act and deed this 12th  
day of November, 20 02.

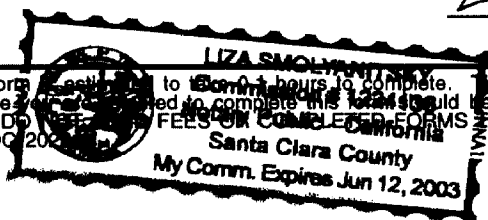
Vladislav Vahschenko

(Signature)

Liza Smolyanitsky

(Notary Public)

Seal



Burden Hour Statement: This form is designed to be completed in 1 hour. Time will vary depending upon the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. Do not send fee information to this address. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

**ASSIGNMENT OF APPLICATION**

Docket Number (Optional)

P05412

Whereas, I, Ann Concannon of National Semiconductor Corp., hereafter referred to as applicant, have invented certain new and useful improvements in \_\_\_\_\_  
ESD Protection Cluster and Method of Providing Multi-Port ESD Protection

☐ for which an application for a United States Patent was filed on \_\_\_\_\_,  
Application Number \_\_\_\_\_/\_\_\_\_\_.

☒ for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, National Semiconductor of \_\_\_\_\_ herein referred to  
2900 Semiconductor Dr., Mail Stop D3-579, Santa Clara, CA  
"assignee" whose mailing address is 95051-8090 is de-  
sirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$ 10.00), 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 5<sup>th</sup> day of November, 2002,  
at NSC

State of California:County of Santa ClaraBefore me personally appeared said Ann Concannonand acknowledged the foregoing instrument to be his free act and deed this 5<sup>th</sup>day of November

(Signature)

Seal



LIZA SMOLYANITSKY  
Commission # 1224136  
Notary Public - California  
Santa Clara County

(Notary Public)

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# ASSIGNMENT OF APPLICATION

Docket Number (Optional)

P25412

Whereas, I, Peter J. Hopper of National Semiconductor Corp., hereafter referred to as applicant, have invented certain new and useful improvements in ESD Protection Cluster and Method of Providing Multi-Port ESD Protection

☐ for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_/\_\_\_\_\_.

☒ for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, National Semiconductor of \_\_\_\_\_ herein referred to "assignee" whose mailing address is 2900 Semiconductor Dr., Mail Stop D3-579, Santa Clara, CA 95051-8090 is de-

sirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$10.00), 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 5th day of November, 20 02, at National Semiconductor.

State of California SS:

County of Santa Clara

Before me personally appeared said Peter Hopper

and acknowledged the foregoing instrument to be his free act and deed this 5th day of November 2002

(Signature)

Seal



LIZA SMOLYANITSKY  
Commission # 1224136  
Notary Public - California

(Notary Public)

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, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND THESE OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

**ASSIGNMENT OF APPLICATION**

Docket Number (Optional)

POS 412

Whereas, I, Marcel ter Beek of National Semiconductor Corp., hereafter referred to as applicant, have invented certain new and useful improvements in \_\_\_\_\_  
ESD Protection Cluster and Method of Providing Multi-Port ESD Protection

☐ for which an application for a United States Patent was filed on \_\_\_\_\_,  
Application Number \_\_\_\_\_/\_\_\_\_\_.

☒ for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, National Semiconductor of \_\_\_\_\_ herein referred to  
2900 Semiconductor Dr., Mail Stop D3-579, Santa Clara, CA  
"assignee" whose mailing address is 95051-8090 is de-

sirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$ 10.00 ), 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.

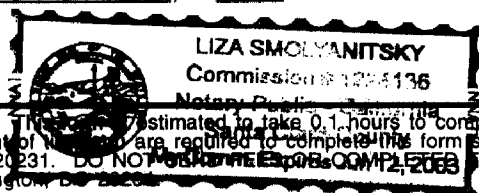
Executed this 5th day of November, 20 02,  
at National

State of California:  
County of Santa Clara

Before me personally appeared said Marcel Ter Beek  
and acknowledged the foregoing instrument to be his free act and deed this 5th  
day of November, 20 02.

(Signature)

Seal



(Notary Public)

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 required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT FORGET TO SEND THIS FORM TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.