

04-19-2002



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### RECORDATION FORM COVER SHEET PATENTS ONLY

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

#### Submission Type

New *04/12/02*

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**  
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Departmental File  Secret File

#### Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Vladislav Vashchenko

Name (line 2) \_\_\_\_\_

**Second Party**

Name (line 1) Ann Concannon

Name (line 2) \_\_\_\_\_

Execution Date  
Month Day Year  
4/10/02

Execution Date  
Month Day Year  
National Sem  
04/10/02

#### Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) National Semiconductor Corporation

Name (line 2) \_\_\_\_\_

Address (line 1) 2900 Semiconductor Drive

Address (line 2) M/S D3-579

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.)

#### Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name \_\_\_\_\_

Address (line 1) \_\_\_\_\_

Address (line 2) \_\_\_\_\_

Address (line 3) \_\_\_\_\_

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Mail documents to be recorded with required cover sheet(s) information to:  
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**PATENTS ONLY**

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

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)

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 2)

Address (line 1)

Address (line 2)

Address (line 3)  City  State/Country  Zip Code

Name (line 1)

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 2)

Address (line 1)

Address (line 2)

Address (line 3)  City  State/Country  Zip Code

**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)**

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RECORDED  
10/12/03  
04/12/02

**Correspondent Name and Address** Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**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)     |                      |                      |
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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. #

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

Method of Payment: Enclosed  Deposit Account

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*  
*J. Vollrath*

Name of Person Signing Signature Date

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### ASSIGNMENT OF APPLICATION

Docket Number (Optional)  
*POS 212*

Whereas, I, Vladislav Vashchenko of National Semiconductor, hereafter referred to as applicant, have invented certain new and useful improvements in HIGH HOLDING VOLTAGE ESD PROTECTION STRUCTURE FOR BICMOS TECHNOLOGY

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 10th day of April, 2002

at SAN JUAN COUNTY

State of California SS:  
County of Santa Clara

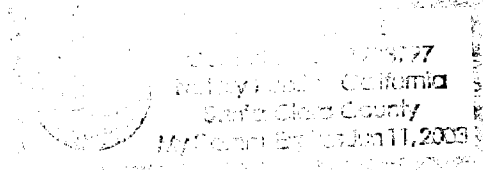
Before me personally appeared said Vladislav Vashchenko and acknowledged the foregoing instrument to be his free act and deed this 10th day of April, 2002

[Signature]  
(Signature)

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



**ASSIGNMENT OF APPLICATION**

Docket Number (Optional)

P05212

Whereas, I, Ann Concannon of National Semiconductor, hereafter referred to as applicant, have invented certain new and useful improvements in HIGH HOLDING VOLTAGE ESD PROTECTION STRUCTURE FOR BICMOS TECHNOLOGY

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 desirous 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 10<sup>th</sup> day of April, 2002 at Santa Clara County

Ann Concannon  
(Signature)

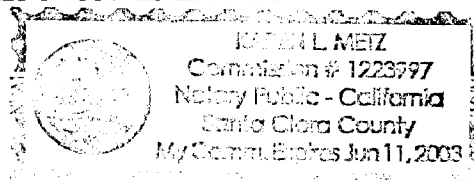
State of California SS:  
County of Santa Clara

Before me personally appeared said Ann Concannon and acknowledged the foregoing instrument to be his free act and deed this 10<sup>th</sup> day of April, 2002

Maren Z. Kelly  
(Notary Public)

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**ASSIGNMENT OF APPLICATION**

Docket Number (Optional)  
*PA5212*

Whereas, I, Peter J. Hopper of National Semiconductor, hereafter referred to as applicant, have invented certain new and useful improvements in HIGH HOLDING VOLTAGE ESD PROTECTION STRUCTURE FOR BICMOS TECHNOLOGY

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 10 day of April, 2002.

at Santa Clara County

[Signature]  
(Signature)

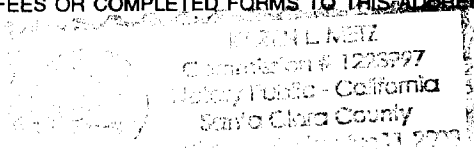
State of California SS:  
County of Santa Clara

Before me personally appeared said Peter J. Hopper and acknowledged the foregoing instrument to be his free act and deed this 10th day of April, 2002

[Signature]  
(Notary Public)

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# ASSIGNMENT OF APPLICATION

Docket Number (Optional)

P05212

Whereas, I, Marcel ter Beek of National Semiconductor, hereafter referred to as applicant, have invented certain new and useful improvements in HIGH HOLDING VOLTAGE ESD PROTECTION STRUCTURE FOR BICMOS TECHNOLOGY

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 as "assignee" whose mailing address is 2900 Semiconductor Dr., Mail Stop D3-579, Santa Clara, CA 95051-8090 is desirous 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.

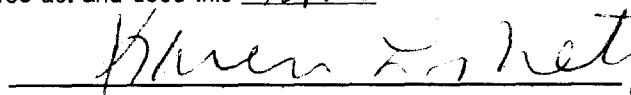
Executed this 10th day of April, 2002,

at Santa Clara County

  
(Signature)

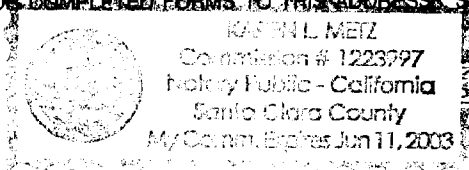
State of California SS:  
County of Santa Clara

Before me personally appeared said Marcel ter Beek and acknowledged the foregoing instrument to be his free act and deed this 10th day of April, 2002

  
(Notary Public)

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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 FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.



**PATENT**

**RECORDED: 04/12/2002**

**REEL: 012798 FRAME: 0104**