

08-13-2002



102187308

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

10/210943  
U.S. PTO  
08/02/02

**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 *08/02/02*
- ☐ 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**  
(For Use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

- ☐ Mark if additional names of conveying parties attached
- Name (line 1) Vladislav Vashchenko Execution Date 7/26/02  
Month Day Year
- Name (line 2) 10/210943

**Second Party**

- Name (line 1) Ann Concannon Execution Date 7/30/02  
Month Day Year
- Name (line 2)

**Receiving Party**

- ☒ Mark if additional names of receiving parties attached
- ☐ 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 1) National Semiconductor Corp
- 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

**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)

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
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08/06/2002 EFLURES 00000049 10210943

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**PATENT**  
**REEL: 013168 FRAME: 0653**

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

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

**Conveying Party(ies)**

☐

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Peter J. Hopper

Execution Date  
Month Day Year

7/30/02

Name (line 2)

Execution Date  
Month Day Year

7/30/02

Name (line 1)

Marcel eer Beek

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

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

☐

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 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐

If document to be recorded  
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States, an appointment of a  
domestic representative is  
attached. (Designation must  
be a separate document from  
Assignment.)

**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)**



**Correspondent Name and Address**

Area Code and Telephone Number

Name Jurgen Vollrath

Address (line 1) 588 Sutter Street #531

Address (line 2) San Francisco, CA

Address (line 3) 94102

Address (line 4)

**Pages**

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

# 4

**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

PCT

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

Signature

J. Vollrath

Date

8/2/02

ASSIGNMENT OF APPLICATION

Docket Number (Optional)

P05312

Whereas, I, Vladislav Vashchenko of National Semiconductor, hereafter referred to as applicant, have invented certain new and useful improvements in COMPLEMENTARY VERTICAL SCRs FOR SOI AND TRIPLE WELL PROCESSES

☐ 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 27<sup>th</sup> day of July, 20 02, at Santa Clara County

State of California SS:  
County of Santa Clara

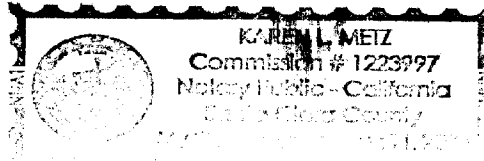
Before me personally appeared said Vladislav Vashchenko and acknowledged the foregoing instrument to be his free act and deed this 26<sup>th</sup> day of July, 20 02

Seal

(Signature)

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



# ASSIGNMENT OF APPLICATION

Docket Number (Optional)

POS 312

Whereas, I, Ann Concannon of National Semiconductor, hereafter referred to as applicant, have invented certain new and useful improvements in COMPLEMENTARY VERTICAL SCR<sub>s</sub> FOR SOI AND TRIPLE WELL PROCESSES

☐ 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 30 day of July, 2002, at Santa Clara County

State of California SS:  
County of Santa Clara

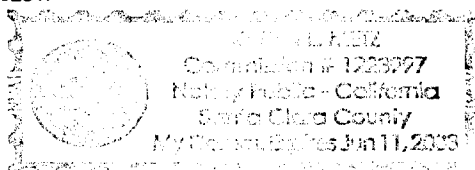
Before me personally appeared said Ann Concannon and acknowledged the foregoing instrument to be his free act and deed this 30 day of July, 2002.

(Signature)

Seal

(Notary Public)

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# ASSIGNMENT OF APPLICATION

Docket Number (Optional)

POS312

Whereas, I, Peter J. Hopper of National Semiconductor, hereafter referred to as applicant, have invented certain new and useful improvements in COMPLEMENTARY VERTICAL SCR<sub>s</sub> FOR SOI AND TRIPLE WELL PROCESSES

☐ 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 30 day of July, 20 02,  
at Santa Clara County

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 30th

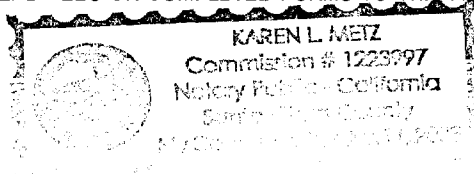
day of July, 20 02.

(Signature)

Seal

(Notary Public)

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# ASSIGNMENT OF APPLICATION

Docket Number (Optional)

P05312

Whereas, I, Marcel ter Beek of National Semiconductor, hereafter referred to as applicant, have invented certain new and useful improvements in COMPLEMENTARY VERTICAL SCR's FOR SOI AND TRIPLE WELL PROCESSES

☐ 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 30th day of July, 2002, at Santa Clara County

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 30th day of July, 2002

Seal

(Signature)

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