

MODIFIED FORM PTO-1595

09-01-2009



SHEET

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Director of the

103572503

Please record the attached document(s)

1. Name of conveying party(ies):

Constantin Bulucea
William D. French
Sandeep R. Bahl

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

2. Name and address of receiving party(ies):

Name: National Semiconductor Corporation

Internal Address:

Street Address: 2900 Semiconductor Drive

City: Santa Clara

State: California

Country: U.S.A.

Zip: 95051

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance/Execution Date(s):

Execution Date(s): 12 June 2009, 18 June 2009 and 19 June 2009

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

4. Application number(s) or patent number(s):

A. Patent Application No(s): 12/382,969

Title(s) of Application(s): Structure and Fabrication of
Asymmetric Field-effect Transistor Having Asymmetric Channel Zone
and Differently Configured Source/Drain Extensions

☐ This document is being filed together with a new
application executed

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Ronald J. Meetin

Street Address: 210 Central Avenue

City: Mountain View State: CA Zip: 94043-4869

Telephone Number: 650-964-9767

Facsimile Number: 650-964-9779

Email Address: rmeetin@earthlink.net

6. Total number of patent applications and patents involved: 1

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

☒ Authorized to be charged to Deposit Account☐ Enclosed

8. Payment information:

Deposit Account No.: 502641

Authorized User Name: Ronald J. Meetin

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.

Ronald J. Meetin, Reg. No. 29,089

26 August 2009

Signature: 08/31/2009 DBYRNE 00000041 502641 D 29089

Total number of pages including cover sheet, attachment(s) and document(s): 40/00 DA

Document(s) to be recorded (including cover sheet) are to be faxed to 571-273-0140 or mailed to:

MAIL STOP ASSIGNMENT RECORDATION SERVICES
DIRECTOR OF THE U.S. PATENT AND TRADEMARK OFFICE
P.O. Box 1450
Alexandria, VA 22313-1450

RECORDATION FORM COVER SHEET ATTACHMENT

1. Name of conveying party(ies) (cont'd):

Jeng-Jiun Yang

D. Courtney Parker

Peter B. Johnson

Donald M. Archer

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we,

Constantin Bulucea
William D. French
Sandeep R. Bahl
Jeng-Jiun Yang
D. Courtney Parker
Peter B. Johnson
Donald M. Archer

hereby sell, assign, and transfer to National Semiconductor Corporation, a Delaware corporation, having a place of business at 2900 Semiconductor Drive, Santa Clara, CA 95051, its successors, and assigns, the entire right, title, and interest throughout the world in our invention in:

**Structure and Fabrication of Asymmetric Field-effect Transistor Having
Asymmetric Channel Zone and Differently Configured Source/Drain Extensions**

for which we have filed U.S. patent application 12/382,969 on 27 March 2009 and all national, regional, and international patent applications and patents of every country or region for said invention, including divisions, reissues, continuations, and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries and regions for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign (including regional and international) applications, and generally to do everything possible to aid said assignee, its successors, and assigns, at their request and expense, in obtaining and enforcing patents for said invention in all countries and regions; and we request that the U.S. Patent and Trademark Office and all foreign (including regional) patent offices issue all patents granted for said invention to the above-named assignee, its successors, and assigns.

First Inventor/Assignor

Date: JUN 19 2009

Constantin Bulucea

(Signature)

Constantin Bulucea

(Full Name)

State of California
County of Santa Clara ss.

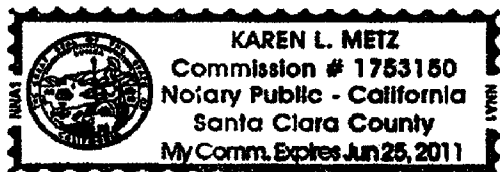
On June 19, 2009 before me, Karen C. Metz,
personally appeared Constantin Bulucea who proved to me on the basis of satisfactory evidence

to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

(Seal)



Karen L. Metz
Signature of Notary Public

Second Inventor/Assignor

Date: 6-19-2009

William D. French
(Signature)

William D. French
(Full Name)

State of California

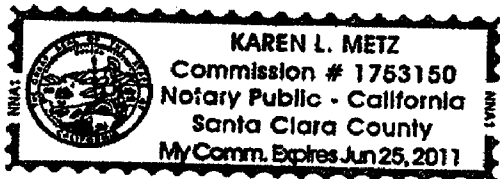
County of Santa Clara SS.

On June 19, 2009 before me, Karen L. Metz,
personally appeared William D. French who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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WITNESS my hand and official seal

(Seal)



Karen L. Metz
Signature of Notary Public

Third Inventor/Assignor

Date: JUN 19 2009

S R Bahl

(Signature)

Sandeep R. Bahl

(Full Name)

State of California

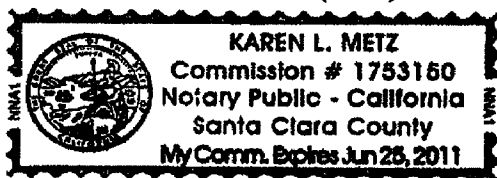
County of Santa Clara) ss.

On June 19, 2009 before me, Karen C. Metz,
personally appeared Sandeep R. Bahl who proved to me on the basis of satisfactory evidence to
be the person whose name is subscribed to the within instrument and acknowledged to me that he
executed the same in his authorized capacity, and that by his signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

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the foregoing paragraph is true and correct.

WITNESS my hand and official seal

(Seal)



Karen L. Metz
Signature of Notary Public

Fourth Inventor/Assignor

Date: June 19, 2009

Jeng-Jiun Yang
(Signature)

Jeng-Jiun Yang

(Full Name)

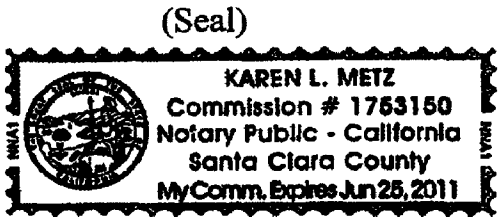
State of California

County of Santa Clara) ss.

On June 19, 2009 before me, Karen C. Metz,
personally appeared Jeng-Jiun Yang who proved to me on the basis of satisfactory evidence to be
the person whose name is subscribed to the within instrument and acknowledged to me that she
executed the same in her authorized capacity, and that by her signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal



Karen L. Metz
Signature of Notary Public

Fifth Inventor/Assignor

Date: _____

(Signature)

D. Courtney Parker
(Full Name)

State of _____)
County of _____) ss.

On _____ before me, _____,
personally appeared D. Courtney Parker who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

(Seal)

Signature of Notary Public

Sixth Inventor/Assignor

Date: 6/19/09

Peter B. Johnson
(Signature)
Peter B. Johnson
(Full Name)

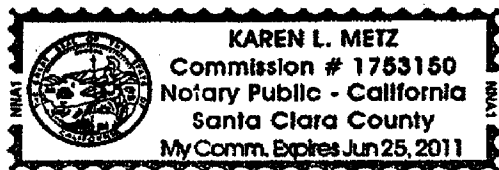
State of California
County of Santa Clara) ss.

On June 19, 2009 before me, Karen L. Metz,
personally appeared Peter B. Johnson who proved to me on the basis of satisfactory evidence to
be the person whose name is subscribed to the within instrument and acknowledged to me that he
executed the same in his authorized capacity, and that by his signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that
the foregoing paragraph is true and correct.

WITNESS my hand and official seal

(Seal)



Karen L. Metz
Signature of Notary Public

Seventh Inventor/Assignor

Date: 6-18-09

Donald M. Archer
(Signature)

Donald M. Archer
(Full Name)

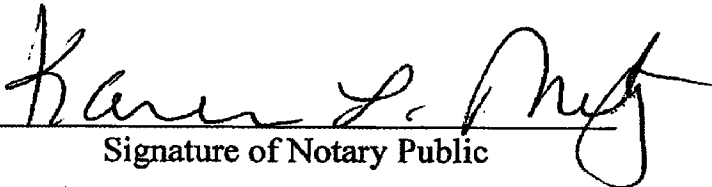
State of California
County of Santa Clara) ss.

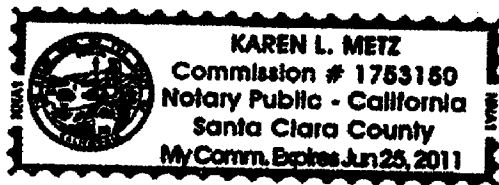
On June 18, 2009 before me, Karen L. Metz,
personally appeared Donald M. Archer who proved to me on the basis of satisfactory evidence to
be the person whose name is subscribed to the within instrument and acknowledged to me that he
executed the same in his authorized capacity, and that by his signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

(Seal)


Signature of Notary Public



2009-06-10 Assignment.doc

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we,

Constantin Bulucea
William D. French
Sandeep R. Bahl
Jeng-Jiun Yang
D. Courtney Parker
Peter B. Johnson
Donald M. Archer

hereby sell, assign, and transfer to National Semiconductor Corporation, a Delaware corporation, having a place of business at 2900 Semiconductor Drive, Santa Clara, CA 95051, its successors, and assigns, the entire right, title, and interest throughout the world in our invention in:

**Structure and Fabrication of Asymmetric Field-effect Transistor Having
Asymmetric Channel Zone and Differently Configured Source/Drain Extensions**

for which we have filed U.S. patent application 12/382,969 on 27 March 2009 and all national, regional, and international patent applications and patents of every country or region for said invention, including divisions, reissues, continuations, and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries and regions for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign (including regional and international) applications, and generally to do everything possible to aid said assignee, its successors, and assigns, at their request and expense, in obtaining and enforcing patents for said invention in all countries and regions; and we request that the U.S. Patent and Trademark Office and all foreign (including regional) patent offices issue all patents granted for said invention to the above-named assignee, its successors, and assigns.

First Inventor/Assignor

Date: _____

(Signature)

Constantin Bulucea
(Full Name)

State of _____)
_____) ss.
County of _____)

On _____ before me, _____,
personally appeared Constantin Bulucea who proved to me on the basis of satisfactory evidence

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

(Seal)

Date: _____

William D. French

State of _____)
) ss.
County of _____)

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

(Seal)

PATENT
REEL: 023162 FRAME: 0636

Third Inventor/Assignor

Date: _____

(Signature)

Sandeep R. Bahl
(Full Name)

State of _____)
) ss.
County of _____)

On _____ before me, _____,
personally appeared Sandeep R. Bahl who proved to me on the basis of satisfactory evidence to
be the person whose name is subscribed to the within instrument and acknowledged to me that he
executed the same in his authorized capacity, and that by his signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

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the foregoing paragraph is true and correct.

WITNESS my hand and official seal

(Seal)

Signature of Notary Public

Fourth Inventor/Assignor

Date: _____

(Signature)

Jeng-Jiun Yang
(Full Name)

State of _____)
) ss.
County of _____)

On _____ before me, _____,
personally appeared Jeng-Jiun Yang who proved to me on the basis of satisfactory evidence to be
the person whose name is subscribed to the within instrument and acknowledged to me that she
executed the same in her authorized capacity, and that by her signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

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WITNESS my hand and official seal

(Seal)

Signature of Notary Public

Fifth Inventor/Assignor

Date: 6-12-2009

D. Courtney Parker
(Signature)

D. Courtney Parker
(Full Name)

State of MAINE)
) ss.
County of CUMBERLAND

On JUNE 12, 2009 before me, DIANA GARCIA,
personally appeared D. Courtney Parker who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

(Seal)

DIANA GARCIA
Notary Public, Maine
My Commission Expires April 23, 2016

Diana Garcia
Signature of Notary Public

Sixth Inventor/Assignor

Date: _____

(Signature)

Peter B. Johnson

(Full Name)

State of _____)

) ss.

County of _____)

On _____ before me, _____,
personally appeared Peter B. Johnson who proved to me on the basis of satisfactory evidence to
be the person whose name is subscribed to the within instrument and acknowledged to me that he
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the foregoing paragraph is true and correct.

WITNESS my hand and official seal

(Seal)

Signature of Notary Public

Seventh Inventor/Assignor

Date: _____

(Signature)

Donald M. Archer

(Full Name)

State of _____)

) ss.

County of _____)

On _____ before me, _____,
personally appeared Donald M. Archer who proved to me on the basis of satisfactory evidence to
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Signature of Notary Public

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