

12-04-2002
102301808

FORM COVER SHEET
PATENTS ONLY

Patent and Trademark Office
Docket No. 100-19500 (P05345)

To the Commissioner of Patents and Trademarks record the attached original documents or copy thereof.

1. Name of conveying party(ies):
JAMES THOMAS DOYLE
DAE WOON KANG
11-27-02
 Individual(s) Association
 General Partnership Limited Partnership
 Corporation-State Other
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: **NATIONAL SEMICONDUCTOR CORPORATION**
Address: 2900 Semiconductor Drive, M/S D3-579
City: Santa Clara State: CA
Zip Code: 95051-8090
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:
Execution Date: October 30, 2002 and October 31, 2002

4. Application number(s) or patent number(s): 10/272,027
If this document is being filed with a new application, the execution date of the application is:
A. Patent Application No.(s): 10/272,027 B. Patent No.(s):
Additional numbers attached? Yes No

6. Total number of applications and patents involved: **1**
7. Total fee (37 C.F.R. § 3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account, referencing Attorney Docket No.
8. Deposit account number:

5. Name and address of party to whom correspondence concerning document should be mailed:
Mark C. Pickering, Esq.
Law Offices of Mark C. Pickering
P.O. Box 300
Petaluma, CA 94953-0300

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 502305
DO NOT USE THIS SPACE

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.
Name: Mark C. Pickering *Mark C. Pickering* Date: *11-22-02*
Registration No. 36,239 Signature

Total number of pages comprising cover sheet, attachments and document: 6

Mail documents to be recorded with required cover sheet information to:
U.S. Patent and Trademark Office
Office of Public Records
Box Assignments
Crystal Gateway 4, Room 335
Washington, D.C. 20231

FINANCE SECTION
NOV 27 11 09 AM '02

12/03/2002 BYRNE 0000132 10272027
01 FC:8021 40.00 OP

ASSIGNMENT

WHEREAS, WE, JAMES THOMAS DOYLE and DAE WOON KANG, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: All Digital Power Supply System And Method That Provides A Substantially Constant Supply Voltage Over Changes In PVT Without A Band Gap Reference Voltage

Application Execution Date: _____

Filing Date: October 15, 2002 Appln. No.: 10/272,027

WHEREAS, NATIONAL SEMICONDUCTOR CORPORATION, a corporation of the State of Delaware, 2900 Semiconductor Drive, M/S D3-579, Santa Clara, California 95051-8090, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to Assignors by Assignee, receipt of which is hereby acknowledged, Assignors has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: 10/30/02

James Thomas Doyle
JAMES THOMAS DOYLE

State of Colorado

County of Boulder

On 10/30/02 before me, MEREDITH JODZIO, personally appeared James Thomas Doyle, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Meredith A. Jodzio
Signature of Notary

SEAL

As.m2

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: _____

DAE WOON KANG

State of _____

County of _____

On _____ before me, _____, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL

ASSIGNMENT

WHEREAS, WE, JAMES THOMAS DOYLE and DAE WOON KANG, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: All Digital Power Supply System And Method That Provides A Substantially Constant Supply Voltage Over Changes In PVT Without A Band Gap Reference Voltage

Application Execution Date: _____

Filing Date: October 15, 2002 Appln. No.: 10/272,027

WHEREAS, NATIONAL SEMICONDUCTOR CORPORATION, a corporation of the State of Delaware, 2900 Semiconductor Drive, M/S D3-579, Santa Clara, California 95051-8090, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to Assignors by Assignee, receipt of which is hereby acknowledged, Assignors has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: _____
JAMES THOMAS DOYLE

State of _____

County of _____

On _____ before me, _____, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: Oct. 31, 2002

Kang Dae Moon

DAE WOON KANG

State of MA

County of Suffolk

On 10/31/02 before me, Dae Woon Kang, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]
Signature of Notary

SEAL