

08-11-2005

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

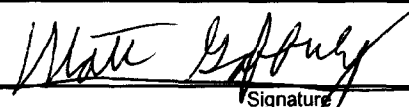


U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

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PATENT

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

08-04-05

1. Name of conveying party(ies): Barry J. Culpepper (08/03/2005), Jeff L. Nilles (08/02/2005), and Chunping Song (08/03/2005) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <u>National Semiconductor Corporation</u> Internal Address: _____ Street Address: _____ 2900 Semiconductor Drive City: <u>Santa Clara</u> State: <u>California</u> Country: <u>United States of America</u> Zip: <u>95051-8090</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____			
4. Application or patent number(s): <input checked="" type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) _____ B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Matthew M. Gaffney</u> <u>DARBY & DARBY P.C.</u> Internal Address: <u>Atty. Dkt.: 08211/0202899-US0/P06309</u> Street Address: <u>P.O. Box 5257</u> City: <u>New York</u> State: <u>NY</u> Zip: <u>10150-5257</u> Phone Number: <u>(206) 262-8910</u> Fax Number: <u>(206) 262-8901</u> Email Address: <u>mgaffney@darbylaw.com</u>		6. Total number of applications and patents involved: 1	
		7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
		8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number _____ Authorized User Name _____	
9. Signature: <div style="text-align: center;">  _____ Signature </div> <div style="text-align: right;"> August 4, 2005 Date </div> <div style="text-align: center;"> <u>Matthew M. Gaffney 46,717</u> Name of Person Signing </div> <div style="text-align: right;"> Total number of pages including cover sheet, attachments, and documents: 5 </div>			

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PATENT
REEL: 016863 FRAME: 0459

Attorney Docket No.: 08211/0202899-US0/P06309

ASSIGNMENT

I, Barry J. Culpepper, a citizen of US, residing at 1480 Revelstok Way; Sunnyvale, California 94087; and

I, Jeff Lee Nilles, a citizen of US, residing at 1160 Seena Avenue; Los Altos, California 94024; and

I, Chunping Song, a citizen of People's Republic of China, residing at 1901 Halford Avenue; Santa Clara, California 95051;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

National Semiconductor Corporation

a Corporation organized under the laws of Delaware, located at 2900 Semiconductor Drive, Santa Clara, California 95051-8090 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to my Invention entitled:

**APPARATUS AND METHOD FOR SWITCHING REGULATOR WITH DELAY TO
IMPROVE OUTPUT ACCURACY**

invented by me and described in the specification bearing the above Attorney Docket No. and title executed by me concurrently herewith; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made;

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And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Aug 3, 2005 Barry J. Culpepper

State of California)
) ss.
County of Santa Clara)

On Aug 3, 2005, before me, Karen L. Metz, personally
appeared Barry J. Culpepper personally known to me 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 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.

Karen L. Metz



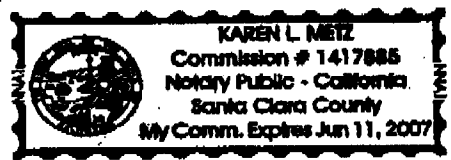
Aug 2, 2005 Jeff Lee Nilles

State of California)
) ss.
County of Santa Clara)


On Aug 2, 2005, before me, Karen L. Metz, personally
appeared Jeff Lee Nilles personally known to me 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 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.

Karen L. Metz



08/03/05

Chunping Song 

State of California)
County of Santa Clara) ss.

On 8/3/2005, before me, Karen L. Metz, personally
appeared Chunping Song personally known to me 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/his/their signature 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.

Karen L. Metz 