

08-11-2005

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

08-04-05

1. Name of conveying party(ies):

Luan Vu

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: United States of America Zip: 95051-8090

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

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

Execution Date(s): August 1, 2005

Assignment Merger Change of Name

Security Agreement Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Matthew M. Gaffney
DARBY & DARBY P.C.

Internal Address: Atty. Dkt.: 08211/0202895-US0/P06308

Street Address: P.O. Box 5257

City: New York

State: NY Zip: 10150-5257

Phone Number: (206) 262-8910

Fax Number: (206) 262-8901

Email Address: mgaffney@darbylaw.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by credit card

Authorized to be charged to deposit account

Enclosed

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:

August 4, 2005

Signature

Date

Matthew M. Gaffney - 46,717

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

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Attorney Docket No.: 08211/0202895-US0/P06308

ASSIGNMENT

I, Luan Vu, a citizen of US, residing at 1905 Orolette Place; San Jose, California 95131;

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 CONTROL SUPPLY OUTPUT VOLTAGE
TECHNIQUES TO TRACK BATTERY VOLTAGE**

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 been made;

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


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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 Commissioner 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.

Luan Vu 

State of California,
County of Santa Clara, ss.

On August 1, 2005, before me, Liza Smolyanitsky, personally appeared Luan Vu 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.

Liza Smolyanitsky

