Form PTO-1595 (Rev. 09/ 04) OMB No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERC	
RECORDATION FO	United States Description of the state of th	
PATENTS ONLY		
To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.	
1. Name of conveying party(ies)/Execution Date(s):	Name and address of receiving party(ies)	
William David Llewellyn (09/15/2004), Seema Varma (09/15/2004), and Ha Chu Vu (09/15/2004)	1	
	Internal Address:	
Execution Date(s): in parentheses after inventor name	Street Address:	
Additional name(s) of conveying party(ies) attached? Yes X No		
3. Nature of Conveyance:	2900 Semiconductor Drive	
X Assignment Merger		
Security Agreement Change of Name	Ola.	
Government Interest Assignment	City: Santa Clara	
Executive Order 9424, Confirmatory License	State: California	
[[_]	Country: United States of America Zip: 95051-8090	
Other	Additional name(s) & address(es) Yes X No	
10/791,909 Additional numbers attached?	Yes X No	
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Matthew M. Gaffney DARBY & DARBY P.C.	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address: Atty. Dkt.: 08211/0200381-US0/P05799	Authorized to be charged by credit card	
Street Address: P.O. Box 5257	[
	The state of the s	
	Enclosed	
	None required (government interest not affecting title)	
City: New York	8. Payment Information	
State: NY Zip: 10150-5257	a. Credit Card Last 4 Numbers	
Phone Number: (206) 262-8900	Expiration Date	
Fax Number: (212) 753-6237	b. Deposit Account Number 04-0100	
Email Address: mgaffney@darbylaw.com	Authorized User Name Matthew M. Gaffney	
Signature: Juliu Jahran 27 2005		
Signature	Date	
Matthew M. Gaffney - 46,717 Name of Person Signing		

(S:\08211\0200381-US0\80021869.DOC |関係利抗機関係関抗関係制制を表現します。)

PATENT REEL: 015628 FRAME: 0222

08211/0200381-US0(P05799)

ASSIGNMENT

- I, William Llewellyn, a citizen of US, residing at 1470 Husted Avenue; San Jose, California 95125; and
- I, Seema Varma, a citizen of India, residing at 1063 Heatherstone Way; Sunnyvale, California 94087; and
- I, Ha C. Vu, a citizen of US, residing at 5910 Exeter Ct.; San Jose, California 95138;

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:

PROGRAMMABLE GAIN AMPLIFIER WITH HYBRID DIGITAL/ANALOG ARCHITECTURE

invented by me and described in Patent Application No. 10/791,909, filed on March 3, 2004, in the United States; 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

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08211/0200381-US0(P05799)

PATENT REEL: 015628 FRAME: 0223 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 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 of March 1, 2004.

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.

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PATENT REEL: 015628 FRAME: 0224 William Llewellyn

Date:

United States of America

State of

County of

On this 15th day of

william Llewellyn

to me known to be the individual

described in and who executed the foregoing instrument, and acknowledged execution

of the same.

KAREN L. METZ
Commission # 1417885
Notary Public - California
Santa Clara County
My Comm. Expires Jun 11, 2007

_ Seene Van	~_
Seema Varma	

Sept 15, 2004 Date:

United States of America

State of

County of

15th day of On this

September, Jooy, before me ema Varma, to me known to be the individual personally came Seema Varma described in and who executed the foregoing instrument, and acknowledged execution

of the same.

KAREN L. METZ Commission # 1417885 Notary Public - California Santa Clara County My Comm. Expires Jun 11, 2007

	Haden
	Ha C. Vu

Sept 15,09 Date:

United States of America State of

County of

On this

, to me known to be the individual

described in and who executed the foregoing instrument, and acknowledged execution

of the same.

KAREN L. METZ Commission # 1417885 Notary Public - California Santa Clara County My Comm. Expires Jun 11, 200