11-16-	1998
ORM PTO-1595 -31-92 100877	
o the Commissioner of Patents and Trademarks. Please re	cord the attached original documents or copy thereof.
. Name of conveying party(ies): Sheung-Fan Wen	Name and address of receiving party(ies):
• •	Name: NATIONAL SEMICONDUCTOR CORPORATION
	Internal Address: <u>M/S D3-579</u>
dditional name(s) of conveying party(ies) attached?	Street Address: 2900 Semiconductor Drive
Yes X No	City, State and Zip: <u>Santa Clara, CA 95051-8090</u>
. Nature of Conveyance:	Additional Nameral & address/sel attached
Assignment Merger	Additional Name(s) & address(es) attached?
] Security Agreement Change of Name Other	
Execution Date: <u>9/18/98</u>	
. Application number(s) or patent number(s):	
If this document is being filed together with a new	application, the execution date of the application is:
A. Patent Application No.(s) 09/156,984	B. Patent No.(s) Unknown
Additional numbers attached	t? Yes X No
Name and address of party to whom correspondence con document should be mailed:	ncerning 6. Total number of applications and patents involved: 1
Name: <u>Heath W. Hoglund</u>	7. Total fee (37 CFR 3.41):\$ 40.00
Internal Address: Limbach & Limbach L.L.P. Street Address: 2001 Ferry Building City, State, ZIP: San Francisco, California 94111 Telephone: (415) 433-4150 Facsimile: (415) 433-8716	 Enclosed Charge any deficiencies in the enclosed fee to Deposit Account No. 12-1420 Authorized to be charged to deposit account
Attorney Docket No. NSC1-E3600 [P04001]	8. Deposit account number: 12-1420
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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.
Heath W. Hoglund, Reg. No. 41,076 Name of Person Signing	7472 7412 1/98 Signature 1/98
Total nur	mber of pages including cover sheet, attachments and document: 2
	not detach this portion
Mail documents to be recorded with required cover sheet informatio	on to: demarks, Box Assignments, Washington, D.C. 20231
Public burden reporting for this sample cover sheet is estimated to an document and gathering the data needed, and completing and review	verage about 30 minutes per document to be recorded, in digiting time for reviewing the ving the sample cover sheet. Send comments regarding the burden estimate to the U.S. 100C, Washington, D.C. 20213, and to the Office of Management and Budget, Paperwork
	1951: 1921:
C\RECFORM.MRG	PATEMIT Revised: 4/21,
	REEL: 9572 FRAME: 0813

ASSIGNMENT

WHEREAS, I, <u>Sheung-Fan Wen</u>, hereinafter referred to as "ASSIGNOR", 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: SDRAM ADDRESS TRANSLATOR

Application Execution Date: 9/18/98

Filing Date: Herewith

Application No.: <u>New;</u>

WHEREAS, <u>NATIONAL SEMICONDUCTOR CORPORATION, a corporation of the State of Delaware, 2900</u> <u>Semiconductor Drive, M/S D3-579, Santa Clara, California 95051-8090</u>, 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 One Dollar (\$1.00) and other good and valuable considerations, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the 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, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignor further agrees that he 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.

I hereby authorize and request my attorney, Heath W. Hoglund, of Limbach & Limbach L.L.P., 2001 Ferry Building, San Francisco, California 94111-4262, to insert here in parentheses (application number $_09/156,984$, filed $_9/18/98$) the filing date and application number of said application when known.

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

Sheung-Fan Wen Cornia

IN NOTARY PUBLIC before me

me on the basis of satisfactory evidence to be the person (g) whose name (g) (is) are subscribed to the within instrument and acknowledged to me that he sectively executed the same in (his) her/theyr authorized capacity(ies), and that by (his) her/theyr signature(g) on the instrument the person (g), or the entity upon behalf of which the person (g) acted, executed the instrument.



WITNESS my hand and

PATENT REEL: 9572 FRAME: 0814

RECORDED: 11/12/1998