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	Frederick McGuire Hamilton	
		Name: NATIONAL SEMICONDUCTOR CORPORATION
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	Yes X No	City, State and Zip: Santa Clara, CA 95051
	Nature of Conveyance:	
_		Additional Name(s) & address(es) attached?
×	Assignment Merger	Yes X No
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	Execution Date: October 6, 1998	
	execution bate. october 6, 1998	
		i .
٠.	Application number(s) or patent number(s):	
	If this document is being filed together with a new applicati	ion, the execution date of the application is:
	A. Patent Application No.(s)	, B. Patent No.(s)
	09/166,871	
	Additional numbers attached?	Yes X No
٠-	Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: ONE
		7. 7.4.1 (477.050.7.44)
	Name: Charles L. Hamilton	7. Total fee (37 CFR 3.41):\$40.00 X Enclosed (Check No. 135777)
	Internal Address: Limbach & Limbach L.L.P. Street Address: 2001 Ferry Building	Charge any deficiencies in the enclosed fee to
	City, State, ZIP: San Francisco, California 94111	Deposit Account No. 12-1420 Authorized to be charged to deposit account
	Telephone: (415) 433-4150 Facsimile: (415) 433-8716	
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		HKI.
		1998 JUATKINS
		1998 581

ASSIGNMENT

WHEREAS, I, Frederick McGuire Hamilton, 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: APPARATUS, METHOD, AND COMPUTER PROGRAM FOR INCREASING SCANNER DATA THROUGHPUT
Application Execution Date: $\frac{16/6/98}{6/98}$ Filing Date: $\frac{16/6/98}{6}$
Application No.: <u>NEW;</u>
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 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, Charles L. Hamilton, of Limbach & Limbach L.L.P., 2001 Ferry Building, San Francisco, California 94111-4262, to insert here in parentheses (application number 09/166,871 , filed 6 0ct 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.
Dated: 10/6/98 Trederily M. Shin. Hulter
State of California
country of Sunta Clara
personally appeared 771 Oly (Manufacture of the person of the same in his har/their authorized capacity (i.e.), and that by his/har/their signature (i) on the instrument the person of the person of the person of the same in his/har/their authorized capacity (i.e.), and that by his/har/their signature (i) on the instrument the person (i), or the entity upon behalf of which the person (ii) acted, executed the instrument.
JENIFER L. GRIFFIN Commission # 1156297 Notary Public - California

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