FORM PTO-1595
1-31-92 7/12/99

07-14-1999

U.S. DEPARTMENT OF COMMERCE
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. documents or copy thereof.

1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
WOLFGANG K. HOELD	Name: NATIONAL SEMICONDUCTOR CORPORATION

1. Name of conveying party(ies):
WOLFGANG K. HOELD

Additional name(s) of conveying party(ies) attached?
☐ Yes   ☒ No

2. Name and address of receiving party(ies):

Name: NATIONAL SEMICONDUCTOR CORPORATION

Internal Address: M/S D3-579

Street Address: 2900 Semiconductor Drive

City, State and Zip: Santa Clara, CA 95051-8090

Additional Name(s) & address(es) attached?
☐ Yes   ☒ No

3. Nature of Conveyance:

☒ Assignment   ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: __July 1, 1999__

4. 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)
09/288,280

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Charles L. Hamilton

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

Attorney Docket No. NSC1-E9700 [P04164]

6. Total number of applications and patents involved: ONE

7. Total fee (37 CFR 3.41):.........$40.00

☒ Enclosed (Check No. 143606)
☒ Charge any deficiencies in the enclosed fee to Deposit Account No. 12-1420
☐ Authorized to be charged to deposit account

8. Deposit account number: 12-1420

(Attach duplicate copy of this page if paying by deposit account)

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9. 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.

Charles L. Hamilton, Reg. No. 42,624	_signature_	8 Jul 99
Name of Person Signing	Signature	Date

Total number of pages including cover sheet, attachments and document: 2

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07/12/1999 MTHAI1   00000227 09288280

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ASSIGNMENT

WHEREAS, I, WOLFGANG K. HOELD, 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 AND METHOD OF PULSE WIDTH MODULATED SIGNAL GENERATION WITH INDEPENDENT SOFTWARE UPDATES

Application Execution Date: _5TH - APRIL - 99_   Filing Date: _8TH - APRIL - 99_

Application No.: ; _09 / 288 280_

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;
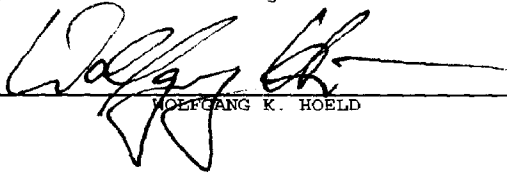
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar ($1.00) and other good and valuable considerations, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the said Assignee, 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 _____, filed _____) 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: _JULY - 1ST - 1999_   _____
                                WOLFGANG K. HOELD

State of _____

County of _____

On _____ before me, _____,
personally appeared _____, personally known to me or 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(s) 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.

_____
Signature of Notary

SEAL

Rev. 07/20/98

                                                                    PATENT
RECORDED: 07/12/1999   **REEL: 010081 FRAME: 0991**