

ASSIGNMENT REC
-PAT

10-21-2003



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031088 U.S. PTO
10/683212
100903

Commissioner of Patents:

109.03

Please record the attached document.

1. Name of conveying party:
 - a) Hsin-ho WU
 - b) Peter DEANE
2. Name and address of receiving party:
 - a) Name: National Semiconductor Corporation
 - Address: 2900 Semiconductor Drive
Santa Clara, CA 95051-8090

3. Nature of conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other _____	<input type="checkbox"/> License Agreement

Execution Date: October 8, 2003

4. Application Number or Patent Number: Not Yet Assigned

10683212

The title of the application is:

LASER TRIM AND COMPENSATION METHODOLOGY FOR PASSIVELY ALIGNING OPTICAL TRANSMITTER

5. Please send all correspondence concerning this document to:

Beyer Weaver & Thomas, LLP
P.O. Box 778
Berkeley, CA 94704-0778

Ph: (650) 961-8300
Fax: (650) 961-8301
Customer Number: 022434

6. Total number of applications and patents involved: 1

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

- Enclosed.
- Charge to Deposit Account No. 500388 (Order No. _____).
- Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. NSC1P280).

Date: October 9, 2003

Francis T. Kalinski II
Registration No. 44,177

10/17/2003 WASFAW1 00000075 10683212

04 FC:8021

40.00 DP

Attorney Docket No. NSC1P280/P05697

(Revised 9/03)

PATENT
REEL: 014598 FRAME: 0891

ASSIGNMENT OF PATENT APPLICATION
(Accompanying Application)

Whereas, I, the undersigned inventor, have invented certain new and useful improvements as set forth in the patent application, entitled:

**LASER TRIM AND COMPENSATION METHODOLOGY FOR PASSIVELY
ALIGNING OPTICAL TRANSMITTER**

(Atty. Docket No.: NSC1P280/P05697) for which I have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned inventor, hereby:

- 1) Sell(s), assign(s) and transfer(s) to National Semiconductor Corporation, a Delaware corporation having a place of business at 2900 Semiconductor Drive, Santa Clara, California (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

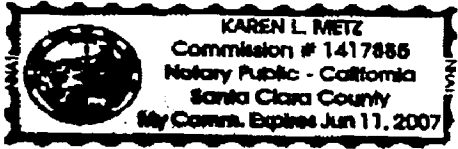
Signed on the date indicated beside my signature.

1. Inventor Signature: HSIN-HO WU
HSIN-HO WU

Date: 10/8/03

State of California)
County of Santa Clara)

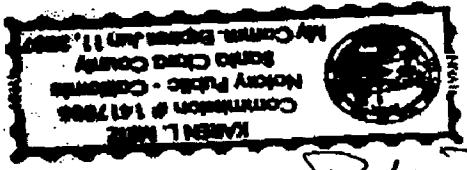
ss.



On this 8th day of October, in the year 2003, before me,
Karen L. Metz personally appeared HSIN-HO WU, personally
known to me (or proved to me on the basis of satisfactory evidence) to be the person whose
name is subscribed to the within instrument, and acknowledged to me that he/she executed
the same in his/her authorized capacity(ies), and that by his/her signature on the instrument
the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature Karen L. Metz (SEAL)



2. Inventor Signature: Peter Deane
PETER DEANE

Date: 10/8/03

State of California)
County of Santa Clara)

ss.

On this 8th day of October, in the year 2003, before me,
Karen L. Metz personally appeared PETER DEANE, personally
known to me (or proved to me on the basis of satisfactory evidence) to be the person whose
name is subscribed to the within instrument, and acknowledged to me that he/she executed
the same in his/her authorized capacity(ies), and that by his/her signature on the instrument
the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature Karen L. Metz (SEAL)

