



11-22-2000



ASSIGNMENT

101524588

FEET

-PATENTS ONLY-

To: Honorable Commissioner of Patents and Trademarks:

Handwritten: 101.10

Please record the attached original document(s) or copy thereof.

Name of conveying party(ies):

- a) Inderjit Singh
- b) Hem Takiar
- c) Geoffrey Cade Murray

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

- a) Name: National Semiconductor Corporation  
Address: 2900 Semiconductor Drive, Santa Clara, California 95052

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 Dates: 05/17/00 (Singh); 02/28/00 (Takiar); and 10/05/00 (Murray)

4. Application Number(s) or Patent Number(s): 09/549,240

The title of the (new) application is:

***Improved PTC Fuse Including External Heat Source***

5. Please send all correspondence concerning this (these) documents to:

**Customer Number: 022434**  
 BEYER WEAVER & THOMAS, LLP  
 P.O. Box 778  
 Berkeley, CA 94704-0778  
 Telephone (510) 843-6200  
 Fax (510) 843-6203



**22434**

PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved: 1

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

- Enclosed
- Any deficiencies in the fees are authorized to be charged to Deposit Account No. 50-0388 (Order No. NSC1P140)

8. 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.

Date: October 6, 2000

*William J. Plut* (Handwritten signature)

William J. Plut  
Limited Recognition under 37 C.F.R. §10.9(b)

Attorney Docket No. NSC1P140/P04397

(Revised 01/96)

**PATENT**  
**REEL: 011254 FRAME: 0237**

Vertical stamp: 10/16/2000 CVD111 00000070 09549240 40.00 DP 64 FC:581



2. **Inventor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Hem Takiar

**State of California** )  
 )  
**County of** \_\_\_\_\_ ) **ss.**

On this \_\_\_\_ day of \_\_\_\_\_, in the year 2000, before me,

\_\_\_\_\_ personally appeared Hem Takiar, 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 \_\_\_\_\_ (SEAL)

3. **Inventor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Geoffrey Cade Murray

**State of California** )  
 )  
**County of** \_\_\_\_\_ ) **ss.**

On this \_\_\_\_ day of \_\_\_\_\_, in the year 2000, before me,

\_\_\_\_\_ personally appeared Geoffrey Cade Murray, 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 \_\_\_\_\_ (SEAL)

# ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

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

## IMPROVED PTC FUSE INCLUDING EXTERNAL HEAT SOURCE

(Atty. Docket No.: NSC1P140/NS4397) for which we have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned inventors 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, 95051 (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: Inderjit Singh

Date: \_\_\_\_\_

State of California )  
County of \_\_\_\_\_ )

ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year 199\_\_, before me,

\_\_\_\_\_ personally appeared Inderjit Singh, 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 \_\_\_\_\_

(SEAL)

2. Inventor Signature: Hem Takiar  
Hem Takiar

Date: 02/28/00

State of California )  
County of Santa Clara )

ss.

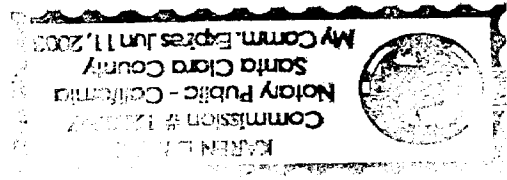
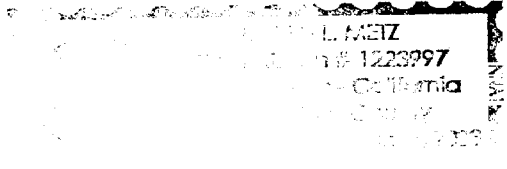
On this 28th day of February, in the year <sup>2000</sup> ~~199~~\_\_, before me,

Karen L Metz personally appeared Hem Takiar, 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)



3. **Inventor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
Geoffrey Cade Murray

**State of California** )  
 )  
**County of** \_\_\_\_\_ ) **ss.**

On this \_\_\_\_ day of \_\_\_\_\_, in the year 199\_\_, before me,

\_\_\_\_\_ personally appeared Geoffrey Cade Murray, 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 \_\_\_\_\_ (SEAL)

# ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

## IMPROVED PTC FUSE INCLUDING EXTERNAL HEAT SOURCE

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on December 10, 1999, and which bears the Application No. 09/549,240.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged. I/We the undersigned inventor(s) 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/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1. Inventor Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inderjit Singh

State of California )  
County of \_\_\_\_\_ ) ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year 2000, before me,

\_\_\_\_\_ personally appeared Inderjit Singh, 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 \_\_\_\_\_ (SEAL)