

08-30-2004



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-PATENTS ONLY

HEET

17541 U.S. PTO
10/923274
082004

ASSIGNM

Commissioner of Patents:

Please record the attached document.

1. Name of conveying party:
a) Gerard Dirk Smits
2. Name and address of receiving party:
a) Name: National Semiconductor Corporation
Address: 2900 Semiconductor Drive, Santa Clara, CA 95051

3. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other ☐ License Agreement

Execution Date: 8/16/2004

4. Application Number or Patent Number: New

The title of the application is: APPARATUS AND METHOD FOR MAKING FLEXIBLE WAVEGUIDE SUBSTRATES FOR USE WITH LIGHT BASED TOUCH SCREENS

5. Please send all correspondence concerning this document to:

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

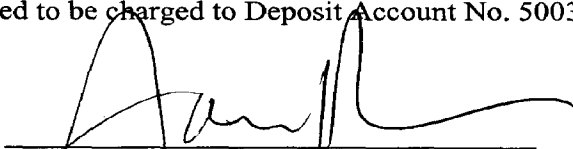
Ph: (650) 961-8300
Fax: (650) 961-8301
Customer Number: 022434

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. NSC1P314).

Date: August 20, 2004


James W. Rose
Registration No. 34,239

Total number of pages including this cover sheet, attachments and documents: 3

Attorney Docket No. NSC1P314/P05947

(Revised 9/03)

PATENT
REEL: 015723 FRAME: 0938

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:

**APPARATUS AND METHOD FOR A FLEXIBLE WAVEGUIDE SUBSTRATES
FOR USE WITH LIGHT BASED TOUCH SCREENS**

(Atty. Docket No.: NSC1P314) 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, (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: Gerard Dirk Smits
Gerard Dirk Smits

Date: 8/16/04

State of California

County of Santa Clara

ss.

On this 16th day of August, in the year 2004, before me,

Karen L. Metz personally appeared **Gerard Dirk Smits**, 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

