

03-03-2005

Attorney Docket No.: M-5789 US

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SHEET

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To the Commissioner for Patents: Please record the accompanying original document(s) or copy thereof.

1. Name of conveying party(ies):

Abhijit M. Phanse
James B. Weiser

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

Name: National Semiconductor Corporation

Internal Address: _____

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

3. Nature of Conveyance:

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

Street Address: 2900 Semiconductor DriveCity: Santa Clara State: CA Zip: 95052Execution Date: 17 Dec 2004 & 14 Dec 2004Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this is a document being filed together with a new application, the execution date of the application is: _____

A. Patent Application No(s): 09/561,086

B. Patent No(s): _____

C. Title(s) of Application(s):

Receiver System Having Analog Pre-filter and Digital Equalizer (as amended)
originally entitled "Optimal Signal Processing for Twisted Pair Transceivers"Additional numbers attached? ☐ Yes ☒ No

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

Name: Ronald J. Meetin

Internal Address: _____

Street Address: 210 Central AvenueCity: Mountain View State: CA Zip: 94043-48696. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☐ Enclosed☒ Authorized to be charged to Deposit Account8. Deposit Account No.: 502641

(Attach copy of this sheet 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.

Ronald J. Meetin, Reg. No. 29,089

Ronald J. Meetin
Signature

16 February 2005

Date

Total number of pages including cover sheet, attachment(s), and document(s): 3

Mail document(s) to be recorded with required cover sheet information to:

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ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we,

Abhijit M. Phanse and James B. Wieser

hereby sell, assign, and transfer to National Semiconductor Corporation, a Delaware corporation, having a place of business at 2900 Semiconductor Drive, Santa Clara, CA 95052, its successors, and assigns, the entire right, title, and interest throughout the world in our invention in:

Receiver System Having Analog Pre-filter and Digital Equalizer (as amended),
originally entitled "Optimal Signal Processing for Twisted Pair Transceivers",

on which U.S. patent application 09/561,086 was filed on 28 April 2000, and all national, regional, and international patent applications and patents of every country or region for said invention, including divisions, reissues, continuations, and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries and regions for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign (including regional and international) applications, and generally to do everything possible to aid said assignee, its successors, and assigns, at their request and expense, in obtaining and enforcing patents for said invention in all countries and regions; and we request that the U.S. Patent and Trademark Office and all foreign (including regional) patent offices issue all patents granted for said invention to the above-named assignee, its successors, and assigns.

First Additional Inventor/Assignor

Date: 12-17-2004

APhanse
(Signature)

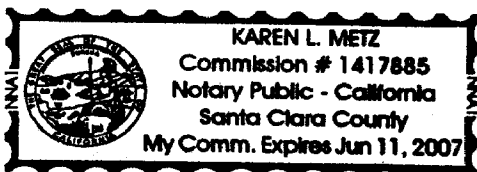
Abhijit M. Phanse
(Full Name)

State of California)
County of Santa Clara) ss.

On 12-17-2004 before me, Karen L. Metz
personally appeared Abhijit M. Phanse 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

(Seal)



Karen L. Metz
Signature of Notary Public

Second Additional Inventor/Assignor

Date: Dec. 14, 2004

James B Wieser
(Signature)

James B. Wieser

(Full Name)

State of California

) ss.

County of Santa Clara

On December 14, 2004 before me, Karen L. Metz
personally appeared James B. Wieser 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

(Seal)

Karen L Metz
Signature of Notary Public

2004-12-10 Assignment.doc

