

06-16-2000

FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

RECO



HEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101382436

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Algorex, Inc.

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

## 3. Nature of conveyance:

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

Execution Date: May 10, 2000

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

Name: National Semiconductor CorporationInternal Address: Mail Stop D3-579Street Address: 2900 Semiconductor DriveCity: Santa Clara State: CA ZIP: 95051-8090Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 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)

09/088,886; 60/111,703; 60/113,704;  
 60/085,287; 09/310,602; 09/382,892;  
 09/348,783; 09/413,579; 60/105,596;  
 09/426,667; 09/457,780; and 09/458,131  
 as listed on Exhibit A hereto

## B. Patent No.(s)

Additional numbers attached? ☒ Yes ☐ No

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

Name: John S. BeulickInternal Address: ARMSTRONG TEASDALE LLPStreet Address: One Metropolitan Square, Suite 2600City: St. Louis State: MO ZIP: 63102-27406. Total number of applications and patents involved: 127. Total fee (37 CFR 3.41).....\$ 480.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

01-2384

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

06/15/2000 DNGUYEN 00000221 012384 09088886

01 FC:581

480.00 CH

DO NOT USE THIS SPACE

## 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.

Alan L. Cassel

Name of Person Signing

Signature

May 18, 2000

Date

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

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

PATENT  
 REEL: 010847 FRAME: 0475

## EXHIBIT A

TITLE	APPLICATION #	DATE OF FILING	PRIORITY INFORMATION FOR EACH COUNTRY
Improved Sleep Mode Operation for Wireless Mobile Stations	09/088,886 (USA)	June 2, 1998	U.S.A
Delay Spread Estimation for Multipath Fading Channels	60/111,703 (USA - provisional) Not Yet Received (USA) Not Yet Received (PCT) *	Dec 10, 1998 Dec 8, 1999 Dec 9, 1999	U.S.A provisional
Enhanced Adaptive Equalization Techniques for Mobile Wireless Systems	60/113,704 (USA - provisional)	Dec 23, 1998	U.S.A
Sleep Mode Clocking with Reduced Power Consumption	60/085,287 (USA - provisional) 09/310,602 (USA)	May 13, 1998 May 13, 1999	U.S.A provisional
Enhanced Acquisition Mode for Mobile Wireless Systems	09/382,892 (USA)	Aug 25, 1999	U.S.A
Real Time Quality Analyzer for Voice and Audio Signals	99/11473 (PCT)	May 25, 1999	PCT
Universal Quality Measurement System for Multimedia and Other Signals	99/11529 (PCT)	May 25, 1999	PCT
Object Oriented Processor Design and Methodologies	09/348,783 (USA)	July 7, 1999	U.S.A
Methods and Apparatus for Silence Quality Measurements	09/413,579 (USA)	Oct 6, 1999	U.S.A
Integrated Software Development and Debug Environment	60/105,596 (USA - provisional) 09/426,667 (US) 99/25002 (PCT)	Oct 26, 1998 Oct 25, 1999 Oct 25, 1999	U.S.A provisional
Methods and Apparatus for Co-simulating Physical and MAC Layers in Wireless Systems	11-346283 (Japan) Not Yet Received (USA) 09/4587780	Dec 6, 1999 Dec 9, 1999	Japan
Efficient Scheduling of Tasks and of Inter-Element Communication in Signal Processing Devices	Not Yet Received (USA) 09/458131	Dec 9, 1999	USA

\*99/29316

# PATENT ASSIGNMENT

**WHEREAS**, Algorex, Inc., a California corporation (hereinafter referred to as "**Assignor**"), is the owner of the entire right, title and interest in and to the inventions and improvements disclosed in the patents and patent applications listed on Exhibit A attached hereto (hereinafter, the "**Patents**");

**AND, WHEREAS**, National Semiconductor Corporation, a Delaware corporation (hereinafter referred to as "**Assignee**"), is desirous of acquiring all right, title and interest in and to the Patents;

**NOW, THEREFORE**, for one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of all of which is hereby acknowledged by Assignor, Assignor has agreed and hereby does, sell, assign and transfer unto said Assignee the entire right, title and interest in and to the Patents, including any, continuations, continuations in part, divisionals, reissues, reexaminations, or foreign filings thereof, together with the right to sue for, and recover for, any past infringements thereof; TO BE HELD AND ENJOYED by Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor had no sale and assignment of said interest been made.

Assignor further agrees for itself and for its successors and assigns <sup>to</sup> execute without further consideration any further lawful documents and any further assurances that may be deemed necessary by Assignee to secure and enforce the rights intended to be granted to Assignee under this Assignment.

## ASSIGNOR

By: [Signature]  
Name: John M. Clark III  
Title: Secretary  
Date: May 10, 2000

STATE OF California  
CITY OF Santa Clara

On this 10th day of May, 2000, before me, Karen L. Metz a Notary Public in and for said state, personally appeared John M. Clark III the Secretary of Algorex, Inc., a California corporation, known to me to be the person who executed the within Assignment, and who did state that said instrument was signed on behalf of said corporation, and acknowledged to me that he executed the same for the purposes therein stated.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the City and said State aforesaid, the day and year first above written.

Karen L. Metz Notary Public  
My Commission Expires: Jan 12, 2003

