

FORM PTO-1595 (modified)

(Rev 6-93)

RE

01-19-2006



103160476

U.S. DEPARTMENT OF COMMERCE

2 SHEET

Patent and Trademark Office

1.17.06

To the Director of the United States Patent and Trademark Office: Please receive the attached original documents or copies thereof.

1. Name of conveying party(ies):

Lewis Neal Cohen
Daniel Thomas Werner
Theodore Jon Myers
Robert W. Boesel

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

Freescal Semiconductor, Inc.
7700 West Parmer Lane
Austin, Texas 78729

OFFICE OF PATENT RECORDS
 2006 JAN 17 AM 11:17
 FINANCE SECTION

Additional conveying party(ies)

NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

01/03/06, 01/03/06, 01/03/06

Additional name(s) & address(es) attached?

NO

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

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

A. Patent Application Number(s):

11/199,560

B. Patent Number(s):

Additional numbers attached? NO

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

G. Peter Albert, Jr.
FOLEY & LARDNER LLP
321 North Clark Street
Suite 2800
Chicago, Illinois 60610-4764

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): **\$40.00**

Check Enclosed

☒ Charge to deposit account8. Deposit account number: **06-1450**

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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

G. Peter Albert, Jr.

Name of person signing

Signature

01/19/2006 LMUELLER 00000057 061450 Date

01 FC:0021

40.00 DA

11/199560

Total number of pages including cover sheet, attachments, and document: 4

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Lewis Neal Cohen, San Diego, California, Daniel Thomas Werner, San Diego, California, Theodore Jon Myers, San Diego, California and Robert W. Boesel, San Diego, California have sold, assigned and transferred, and do hereby sell, assign and transfer, unto FREESCALE SEMICONDUCTOR, INC., a corporation of the State of Delaware, having its principal office in Austin, State of Texas, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in CONTROLLING INPUT AND OUTPUT IN A MULTI-MODE WIRELESS PROCESSING SYSTEM (Docket No. 029573-0901), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto FREESCALE SEMICONDUCTOR, INC., the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize FREESCALE SEMICONDUCTOR, INC. to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to FREESCALE SEMICONDUCTOR, INC., for the sole use and benefit of FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to FREESCALE SEMICONDUCTOR, INC.

We agree that, when requested, we will, without charge to FREESCALE SEMICONDUCTOR, INC., but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for

the inventions in any and all countries and for vesting title thereto in FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives or nominees.

We covenant with FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Lewis Neal Cohen
Lewis Neal Cohen

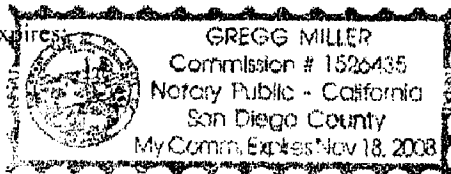
DATE: 1/3/06

STATE OF CALIFORNIA
Texas)
COUNTY OF SAN DIEGO

The undersigned Notary Public in and for the County and State aforesaid, does hereby certify that Lewis Neal Cohen, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 3 day of JAN, 2006

My commission expires:



Notary Public Signature

Printed Name of Notary Public

Daniel Thomas Werner
Daniel Thomas Werner

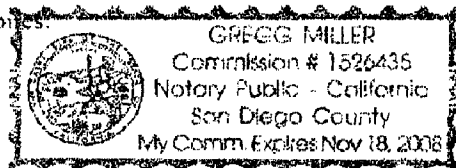
DATE: 01/03/06

STATE OF CALIF
Texas)
COUNTY OF SAN DIEGO

The undersigned Notary Public in and for the County and State aforesaid, does hereby certify that Daniel Thomas Werner, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 3 day of JAN, 2006

My commission expires:



Notary Public Signature

Printed Name of Notary Public

Theodore Jon Myers
Theodore Jon Myers

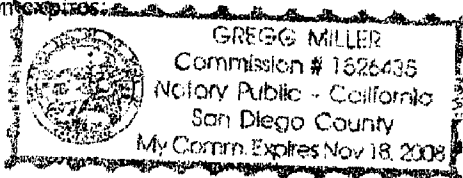
DATE: 1/3/06

STATE OF ~~Texas~~ CALIFORNIA
COUNTY OF SAN DIEGO

The undersigned Notary Public in and for the County and State aforesaid, does hereby certify that Theodore Jon Myers, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 3 day of JAN, 2006

My commission expires:



Gregg Miller
Notary Public Signature

GREGG MILLER
Printed Name of Notary Public

Robert W. Boesel
Robert W. Boesel

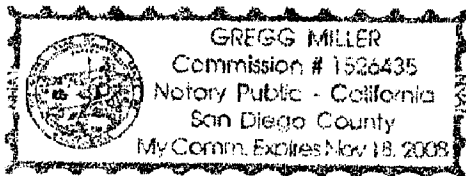
DATE: 1/3/06

STATE OF ~~Texas~~ CALIF
COUNTY OF SAN DIEGO

The undersigned Notary Public in and for the County and State aforesaid, does hereby certify that Robert W. Boesel, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 3 day of JAN, 2006

My commission expires:



Gregg Miller
Notary Public Signature

GREGG MILLER
Printed Name of Notary Public

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Lewis Neal Cohen, San Diego, California, Daniel Thomas Werner, San Diego, California, Theodore Jon Myers, San Diego, California and Robert W. Boesel, San Diego, California have sold, assigned and transferred, and do hereby sell, assign and transfer, unto FREESCALE SEMICONDUCTOR, INC., a corporation of the State of Delaware, having its principal office in Austin, State of Texas, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in CONTROLLING INPUT AND OUTPUT IN A MULTI-MODE WIRELESS PROCESSING SYSTEM (Docket No. 029573-0901), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto FREESCALE SEMICONDUCTOR, INC., the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize FREESCALE SEMICONDUCTOR, INC. to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to FREESCALE SEMICONDUCTOR, INC., for the sole use and benefit of FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to FREESCALE SEMICONDUCTOR, INC.

We agree that, when requested, we will, without charge to FREESCALE SEMICONDUCTOR, INC., but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for

the inventions in any and all countries and for vesting title thereto in FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives or nominees.

We covenant with FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Lewis Neal Cohen
Lewis Neal Cohen

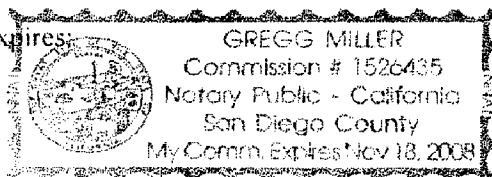
DATE: 1/3/06

STATE OF CALIFORNIA
Texas)
COUNTY OF SAN DIEGO

The undersigned Notary Public in and for the County and State aforesaid, does hereby certify that Lewis Neal Cohen, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 3 day of JAN, 2006

My commission expires:



Gregg Miller
Notary Public Signature

GREGG MILLER
Printed Name of Notary Public

Daniel Thomas Werner
Daniel Thomas Werner

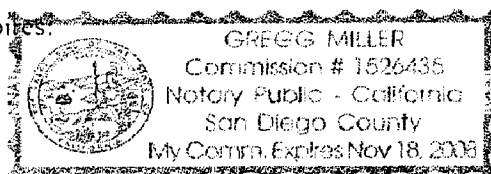
DATE: 01/03/06

STATE OF CALIF
Texas)
COUNTY OF SAN DIEGO

The undersigned Notary Public in and for the County and State aforesaid, does hereby certify that Daniel Thomas Werner, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 3 day of JAN, 2006

My commission expires:



Gregg Miller
Notary Public Signature

GREGG MILLER

Robert W. Boesel
Robert W. Boesel

DATE: 1/3/06

STATE OF ~~Texas~~ CALIF
COUNTY OF SAN DIEGO

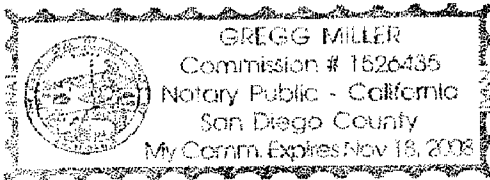
The undersigned Notary Public in and for the County and State aforesaid, does hereby certify that Robert W. Boesel, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 3 day of JAN, 2006

My commission expires:

Gregg Miller
Notary Public Signature

GREGG MILLER
Printed Name of Notary Public



DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) COMBINED WITH POWER OF ATTORNEY <input type="checkbox"/> Declaration Submitted With Initial Filing <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (c)) required)	Attorney Docket Number	029573-0901
	First Named Inventor	Lewis Neal Cohen et al.
	COMPLETE IF KNOWN	
	Application Number	11/199,560
	Filing Date	August 8, 2005
	Group Art Unit	2681
	Examiner Name	Unknown

I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CONTROLLING INPUT AND OUTPUT IN A MULTI-MODE WIRELESS PROCESSING SYSTEM

the specification of which:

☐ is attached hereto

OR

☒ was filed on: (August 8, 2005) _____ as United States Application Number or PCT International
Application Number 11/199,560 and was amended on (MM/DD/YYYY) _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Provisional Application Serial No.:	
Provisional Application Filing Date:	

I hereby claim the priority benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which is material to the patentability of this application and which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s):

- ☒ no such application(s) filed
☐ such application(s) identified as follows:

Application No.	Filing Date (MM/DD/YYYYr)	Status (Patented, Pending, Abandoned)

I hereby declare that: as to any claimed subject matter of this application which is common to my earlier United States or foreign application(s), if any, which I have identified above and claimed the benefit of priority thereof, I do not believe that the same was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the first of said earlier application(s), or in public use or on sale in the United States more than one year prior to the first of said earlier application(s), and that the said common subject matter has not been patented or made the subject of an inventor's certificate before the date of the first of said earlier U.S. application(s) in any country foreign to the United States on an application, filed by me or my legal representatives or assigns more than twelve months (six months if the present application is a Design patent application) prior to the first of said earlier U.S. application(s), if any; and that, as to any claimed subject matter of this application which is not common to said earlier application(s), if any, I do not know and do not believe that the same was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, or in public use or on sale in the United States more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months (six months if the present application is a Design patent application) prior to the date of this application.

I hereby appoint the attorney(s) or agent(s) associated with: to prosecute this application and transact all business in the patent and trademark office connected therewith.

Address all correspondence to: **Customer Number**

Attorney/Agent Name: G. Peter Albert, Jr.
Telephone: (312) 832-5400
Facsimile: (312) 832-5700

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

☐ A petition has been filed for this unsigned inventor.

Full Name of Sole or First Inventor: Lewis Neal Cohen

Lewis Neal Cohen

Inventor's Signature

1/03/06

Date

Residence: San Diego California 92128 U.S.A.
City State Postal Code Country of Citizenship

16974 Vinaruz Place

Mailing Address

San Diego California 92128 U.S.A.
City State Postal Code Country

☐ A petition has been filed for this unsigned inventor.

Full Name of Second Joint Inventor: Daniel Thomas Werner

Daniel Thomas Werner

Inventor's Signature

01/03/06

Date

Residence: San Diego California 92124 U.S.A.
City State Postal Code Country of Citizenship

5871 Torca Court

Mailing Address

San Diego California 92124 U.S.A.
City State Postal Code Country

☐ A petition has been filed for this unsigned inventor.

Full Name of Third-Joint Inventor: Theodore Jon Myers

Theodore J. Myers

Inventor's Signature

1/3/06

Date

Residence: San Diego California 92109 U.S.A.
City State Postal Code Country of Citizenship

1422 Graham Street

Mailing Address

San Diego California 92109 U.S.A.
City State Postal Code Country

☐ A petition has been filed for this unsigned inventor.

Full Name of Fourth-Joint Inventor: Robert W. Boesel

Robert W. Boesel

Inventor's Signature

1/3/06

Date

Residence: San Diego California 92131 U.S.A.
City State Postal Code Country of Citizenship

11530 Spruce Run Drive

Mailing Address

San Diego California 92131 U.S.A.
City State Postal Code Country