

09-26-2003

DET

DOCKET NUMBER: SC12711TP



To the Honorable Commissioner of Patents and

102559767

documents or copy thereof.

1. Name of conveying party(ies):

Robert F. Steimle
Ramachandran Muralidhar
Wayne M. Paulson
Rajesh A. Rao
Bruce E. White, Jr.
Erwin J. Prinz

Additional name(s) of conveying party(ies) attached?

☐

Yes

☐

No

3 Name of conveyance:

☒

Assignment

☐

Merger

☐

Security Agreement

☐

Change of Name

☐

Other

Execution Date: September 10, 2003 (Prinz), September 11, 2003 (Steimle, Muralidhar, Rao) ; September 15, 2003 (Paulson) and September 16, 2003 (White, Jr).

2. Name and address of receiving party(ies)

Name: Motorola, Inc.Internal Address: Law DepartmentStreet Address: 7700 West Parmer LaneCity: AustinState: TexasZip: 78729

Additional 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 September 10, 2003 (Prinz), September 11, 2003 (Steimle, Muralidhar, Rao) ; September 15, 2003 (Paulson) and September 16, 2003 (White, Jr).

A. Patent Application No.(s)

10663621

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: MOTOROLA, INC.

Internal Address:

Mail Drop PL02

Street Address:

7700 West Parmer LaneCity: AustinState: TexasZip: 78729

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41) \$40.00☐

Enclosed

☒

Authorized to be charged to deposit account

8. Deposit account number: 502117, Motorola, Inc.

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

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

David G. Dolezal

Name of Person Signing

Signature

9/16/03

Date

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

9

Mail documents to be recorded with required cover sheet information to:

Mail Stop Patent Application, Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450

09/26/2003 ECDOPER 00000020 502117 10663621

01 FC:8021

40.00 DA

SC12711TP

PATENT
REEL: 014518 FRAME: 0147

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **ROBERT F. STEIMLE, AUSTIN, TEXAS; RAMACHANDRAN MURALIDHAR, AUSTIN, TEXAS; WAYNE M. PAULSON, CHANDLER, ARIZONA; RAJESH A. RAO, AUSTIN, TEXAS; TEXAS; BRUCE E. WHITE, JR., ROUND ROCK, TEXAS and ERWIN J. PRINZ, AUSTIN, TEXAS** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, 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 **SEMICONDUCTOR DEVICE WITH NANOCLUSTERS** (Docket No. **SC12711TP**), 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 **MOTOROLA, 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 **MOTOROLA, 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 **MOTOROLA, INC.**, for the sole use and benefit of **MOTOROLA, 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 **MOTOROLA, INC.**

We agree that, when requested, we will, without charge to **MOTOROLA, 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 **MOTOROLA, INC.**, its successors, assigns and legal representatives or nominees.

We covenant with MOTOROLA, 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.

Robert F. Steimle
ROBERT F. STEIMLE

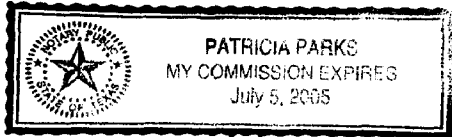
DATE: 09/11/2003

STATE OF Texas)
)ss
COUNTY OF Williamson)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Robert F. Steimle 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 11th day of September, 2003.

My commission expires:



Patricia Parks
Notary Public Signature

Patricia Parks
Printed Name of Notary Public

Ramachandran Muralidhar
RAMACHANDRAN MURALIDHAR

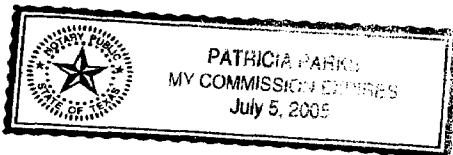
DATE: 09/11/2003

STATE OF Texas)
)ss
COUNTY OF Williamson)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Ramachandran Muralidhar 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 11th day of September, 2003.

My commission expires:



Patricia Parks
Notary Public Signature

Patricia Parks
Printed Name of Notary Public

WAYNE M. PAULSON

DATE: _____

STATE OF Arizona)
)ss
COUNTY OF _____)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Wayne M. Paulson 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 ____ day of _____, 2003.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

Rajesh Rao
RAJESH A. RAO

DATE: 09/11/2003

STATE OF Texas)
)ss
COUNTY OF Williamson)

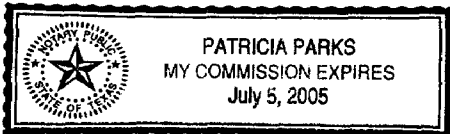
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Rajesh A. Rao whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

Given under my hand and notarial seal this 11th day of September, 2003.

My commission expires:

Patricia Parks
Notary Public Signature

Patricia Parks
Printed Name of Notary Public



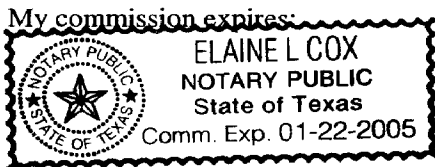
Bruce E. White, Jr.
 BRUCE E. WHITE, JR.

DATE: 9/16/03

STATE OF Texas)
)ss
 COUNTY OF Williamson)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Bruce E. White, Jr. 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 16th day of September, 2003.



Elaine L. Cox
 Notary Public Signature

Elaine L. Cox
 Printed Name of Notary Public

Erwin J. Prinz
 ERWIN J. PRINZ

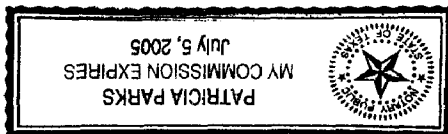
DATE: 9/10/2003

STATE OF Texas)
)ss
 COUNTY OF Williamson)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Erwin J. Prinz 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.

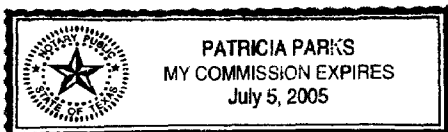
Given under my hand and notarial seal this 10 day of September, 2003.

My commission expires:



Patricia Parks
 Notary Public Signature

Patricia Parks
 Printed Name of Notary Public



ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **ROBERT F. STEIMLE, AUSTIN, TEXAS; RAMACHANDRAN MURALIDHAR, AUSTIN, TEXAS; WAYNE M. PAULSON, CHANDLER, ARIZONA; RAJESH A. RAO, AUSTIN, TEXAS; TEXAS; BRUCE E. WHITE, JR., ROUND ROCK, TEXAS and ERWIN J. PRINZ, AUSTIN, TEXAS** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, 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 **SEMICONDUCTOR DEVICE WITH NANOCLUSTERS** (Docket No. **SC12711TP**), 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 **MOTOROLA, 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 **MOTOROLA, 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 **MOTOROLA, INC.**, for the sole use and benefit of **MOTOROLA, 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 **MOTOROLA, INC.**

We agree that, when requested, we will, without charge to **MOTOROLA, 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 **MOTOROLA, INC.**, its successors, assigns and legal representatives or nominees.

We covenant with MOTOROLA, 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.

ROBERT F. STEIMLE

DATE: _____

STATE OF Texas)
)ss
COUNTY OF Williamson)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Robert F. Steimle 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 ____ day of _____, 2003.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

RAMACHANDRAN MURALIDHAR

DATE: _____

STATE OF Texas)
)ss
COUNTY OF Williamson)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Ramachandran Muralidhar 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 ____ day of _____, 2003.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

Wayne M Paulson
WAYNE M. PAULSON

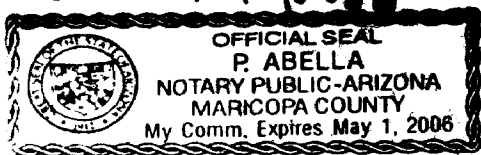
DATE: Sept. 15, 2003

STATE OF Arizona)
COUNTY OF Maricopa)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Wayne M. Paulson 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 15th day of SEPT., 2003.

My commission expires: 5/01/2006



P. Abella
Notary Public Signature
P. ABELLA
Printed Name of Notary Public

RAJESH A. RAO

DATE: _____

STATE OF Texas)
COUNTY OF Williamson)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Rajesh A. Rao 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 ____ day of _____, 2003.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

Printed Name of Notary Public

ERWIN J. PRINZ _____ DATE: _____

Printed Name of Notary Public