

05-10-2006

RECORD



To the Director of the U.S. Patent and Trademark O.

103234840

or the new address(es) below:

1. Name of conveying Party(ies)/Execution Date:

DAVID L. BARRON
JAMES B. PIKET
DANIEL ROKUSEK

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

☐ Yes ☒ No

2. Name and Address of receiving Party(ies):

Name: MOTOROLA, INC.

Internal Address:

Street Address: 1303 EAST ALGONQUIN ROAD

City: SCHAUMBURG

State: ILLINOIS

Country: USA Zip: 60196

Additional name(s) and addresses attached? ☐ Yes ☒ No

3. Nature of Conveyance:

Execution Date(s): April 6, 2006 and April 7, 2006

☒ Assignment☐ Change of Name☐ Executive Order 9424, Confirmatory License☐ Security Agreement☐ Merger☐ Joint Research Agreement☐ Government Interest Assignment ☐ Other

4. Application or patent number(s).

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/399,906

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, IL 60610
(312) 321-4200
(312) 321-4299 Fax

6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40☐ Authorized to be charged by credit card.☐ Authorized to be charged to Deposit Account No. 23-1925.☒ Enclosed☐ None required (government interest not affecting title)

8. Payment Information:

a. ☐ Credit Card: Last 4 Numbers
Expiration Dateb. ☒ Charge fee and/or any Deficiencies to Deposit

Account Number: 23-1925

Authorized User Name: Brinks Hofer Gilson & Lione

9. Signature:

Signature

May 4, 2006

Date

John G. Rauch, Reg. No. 37,218

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

REEL: 017862 FRAME: 0065

ASSIGNMENT AND AGREEMENT

For and in consideration of the sum of One Dollar to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, **David L. Barron, James B. Piket, and Daniel Rokusek** 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 improvement in **REDUCED COMPLEXITY RECURSIVE LEAST SQUARE LATTICE STRUCTURE ADAPTIVE FILTER BY MEANS OF ESTIMATING THE BACKWARD AND FORWARD ERROR PREDICTION SQUARES USING BINOMIAL EXPANSION (Case No. CM08301TC)**, 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 said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto the said MOTOROLA, INC., the entire right, title and interest in and to said 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 said invention and said applications for Letters Patent in foreign countries, and we further authorize the said 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 said 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 the said MOTOROLA, INC., for the sole use and behoof of said MOTOROLA, INC., its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, the same as they would have been held and enjoyed

by us 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 the said MOTOROLA, INC.

We agree that, when requested, we will, without charge to said 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 said inventions in any and all countries and for vesting title thereto in said MOTOROLA, INC., its successors, assigns and legal representatives or nominees.

We covenant with said 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.



DAVID BARRON

4/6/06

DATE

(STATE OF Arizona)

(COUNTY OF Maricopa)

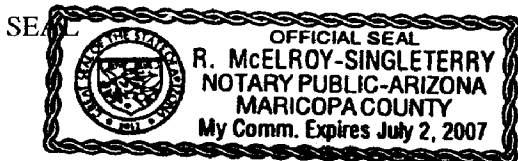
I, R McElroy Singleterry, a Notary Public in and for the County and State aforesaid, do hereby certify that the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 6 day of 4, 2006.



Notary Public

My commission expires: 7/2/07



James B. Piket
JAMES PIKET

4-6-06
DATE

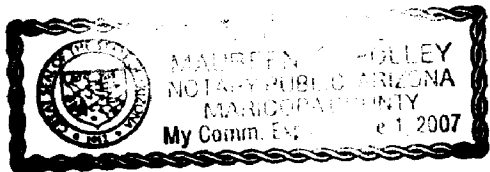
(STATE OF Arizona)

(COUNTY OF Maricopa)

I, Maureen E. Polley, a Notary Public in and for the County and State aforesaid, do hereby certify that the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

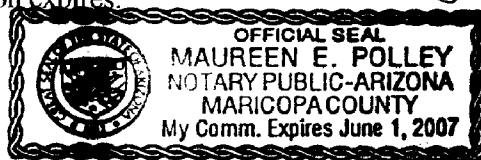
Given under my hand and notarial seal this 6th day of Apr, 2006.

SEAL



Maureen E. Polley
Notary Public

My commission expires: 06/01/07



Daniel Rokusek
DANIEL ROKUSEK

DATE

(STATE OF _____)

(COUNTY OF _____)

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said 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 _____, 2006.

SEAL

Notary Public

My commission expires:

ASSIGNMENT AND AGREEMENT

For and in consideration of the sum of One Dollar to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, **David L. Barron, James B. Piket, and Daniel Rokusek** 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 improvement in **REDUCED COMPLEXITY RECURSIVE LEAST SQUARE LATTICE STRUCTURE ADAPTIVE FILTER BY MEANS OF ESTIMATING THE BACKWARD AND FORWARD ERROR PREDICTION SQUARES USING BINOMIAL EXPANSION** (Case No. CM08301TC), 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 said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto the said **MOTOROLA, INC.**, the entire right, title and interest in and to said 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 said invention and said applications for Letters Patent in foreign countries, and we further authorize the said **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 said 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 the said MOTOROLA, INC., for the sole use and behoof of said MOTOROLA, INC., its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, the same as they would have been held and enjoyed by us 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 the said MOTOROLA, INC.

We agree that, when requested, we will, without charge to said 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 said inventions in any and all countries and for vesting title thereto in said MOTOROLA, INC., its successors, assigns and legal representatives or nominees.

We covenant with said 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.

DAVID BARRON

DATE

(STATE OF _____)

(COUNTY OF _____)

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said 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 _____, 2006.

Notary Public

SEAL

My commission expires:

JIM PIKET

DATE

(STATE OF)

(COUNTY OF)

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said 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 _____, 2006.

Notary Public

SEAL My commission expires:

Daniel Rokusek

4/7/06

DANIEL ROKUSEK

DATE

(STATE OF *ILLINOIS*)

(COUNTY OF *LAKE*)

I, MARY C. MINA, a Notary Public in and for the County and State aforesaid, do hereby certify that the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said 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 7TH day of APRIL, 2006.



SEAL My commission expires:

Mary C. Mina
Notary Public