

MRD- 10-21-98
FORM PTO-1594
1-31-92 RECO

10-30-1998

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Atty Docket #: FD98018



100863609

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

1. Name of conveying part(ies):
Curtis D. Moyer
Peter A. Smith
Robert H. Reuss
Troy A. Trottier
Steven A. Voight

2. Name and address of receiving party(ies):
Name: Motorola, Inc.
Internal Address: Intellectual Property Dept.

10/21/98
PTO
09/176150

Additional name(s) of conveying party(ies) is provided on attached sheet.

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Street Address: 1303 East Algonquin Road
City: Schaumburg State: IL ZIP: 60196

Execution date of conveyance: September 28, 1998 and October 15, 1998

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): 09/176150

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

September 28, 1998 and October 15, 1998

A. Patent Application No.(s):
Attorney Docket Number: FD98018

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: Intellectual Property Dept. Suite R3108
Street Address: P.O. Box 10219
City: Scottsdale State: AZ
ZIP: 85271-0219

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00 #
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 13-4771
(Attach triplicate 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.

S. Kevin Pickens 34,696 S. Kevin Pickens October 19, 1998
Name of Person Signing Reg. No. Signature Date

Total number of pages including cover sheet, attachments, and document: 13

OMB No. 0651-0011 (exp. 4/94)

10/29/1998 DMGLVEN 00000076 134771 09176150

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PATENT
REEL: 9550 FRAME: 0925

FORM PTO-1594
PAGE 2

Names of conveying parties (cont.):

Diane A. Carrillo
Kevin J. Nordquist
Jaynal A. Molla
David W. Jacobs
Kathleen A. Tobin

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Curtis D. Moyer of Phoenix, AZ; Peter A. Smith of Chandler, AZ; Robert H. Reuss of Fountain Hills, AZ; Troy A. Trottier of Mesa, AZ; Steven A. Voight of Gilbert, AZ; Diane A. Carrillo of Phoenix, AZ; Kevin J. Nordquist of Higley, AZ; Jaynal A. Molla of Gilbert, AZ; David W. Jacobs of Higley, AZ; Kathleen A. Tobin of San Antonio, TX, 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 **FIELD EMISSION DEVICE HAVING A VACUUM BRIDGE FOCUSING STRUCTURE AND METHOD** (Attorney Docket No. FD98018), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us, 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 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 inventions and said 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 the 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 and Trademarks 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 behoof of 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 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 said 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.

Curtis D. Moyer
Curtis D. Moyer

STATE OF ARIZONA)

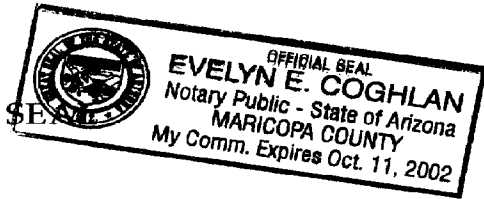
COUNTY OF MARICOPA)

I, Evelyn E Coghlan, a Notary Public in and for the County and State aforesaid, do hereby certify that Curtis D. Moyer, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her 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 October, 1998.

Evelyn E Coghlan

My commission expires on Oct. 11, 2002



Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department -IL01/3rd Floor, 1303 E. Algonquin Road, Schaumburg, IL 60196.

Peter A. Smith
Peter A. Smith

STATE OF ARIZONA)
 :
COUNTY OF MARICOPA)

I, Evelyn E. Coghlan, a Notary Public in and for the County and State aforesaid, do hereby certify that Peter A. Smith, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her 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 October, 1998.

Evelyn E. Coghlan

My commission expires on Oct. 11, 2002



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Robert H. Reuss

Robert H. Reuss

STATE OF ARIZONA)
 :
COUNTY OF MARICOPA)

I, *Evelyn E. Coghlan*, a Notary Public in and for the County and State aforesaid, do hereby certify that Robert H. Reuss, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her 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 *October*, 1998.

Evelyn E. Coghlan

My commission expires on *Oct. 11, 2002*

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Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department -IL01/3rd Floor, 1303 E. Algonquin Road, Schaumburg, IL 60196.

Troy A. Trottier
Troy A. Trottier

STATE OF ARIZONA)
 :
COUNTY OF MARICOPA)

I, *Evelyn E. Coghlan*, a Notary Public in and for the County and State aforesaid, do hereby certify that Troy A. Trottier, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her 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 *October*, 1998.

Evelyn E. Coghlan
My commission expires on *Oct. 11, 2002*

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Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department -IL01/3rd Floor, 1303 E. Algonquin Road, Schaumburg, IL 60196.

Steven A. Voight
Steven A. Voight

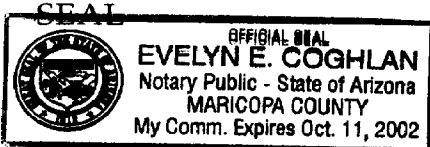
STATE OF ARIZONA)
 :
COUNTY OF MARICOPA)

I, Evelyn E. Coghlan, a Notary Public in and for the County and State aforesaid, do hereby certify that Steven A. Voight, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her 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 October, 1998.

Evelyn E. Coghlan

My commission expires on Oct. 11, 2002



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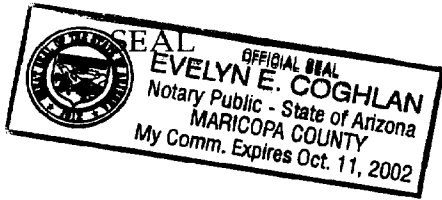
Diane A. Carrillo
Diane A. Carrillo

STATE OF ARIZONA)
 :
COUNTY OF MARICOPA)


I, Evelyn E. Coghlan, a Notary Public in and for the County and State aforesaid, do hereby certify that Diane A. Carrillo, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her 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 October, 1998.

Evelyn E. Coghlan
My commission expires on Oct. 11, 2002



Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department -IL01/3rd Floor, 1303 E. Algonquin Road, Schaumburg, IL 60196.



Kevin J. Nordquist

STATE OF ARIZONA)
 :
COUNTY OF MARICOPA)

I, Evelyn E. Coghlan, a Notary Public in and for the County and State aforesaid, do hereby certify that Kevin J. Nordquist, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her 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 October, 1998.

Evelyn E. Coghlan

My commission expires on Oct 11, 2002



Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department -IL01/3rd Floor, 1303 E. Algonquin Road, Schaumburg, IL 60196.

Jaynal A. Molla
Jaynal A. Molla

STATE OF ARIZONA)
 :
COUNTY OF MARICOPA)

I, Evelyn E. Coghlan, a Notary Public in and for the County and State aforesaid, do hereby certify that Jaynal A. Molla, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her 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 October, 1998.

Evelyn E. Coghlan
My commission expires on Oct. 11, 2002



Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department -IL01/3rd Floor, 1303 E. Algonquin Road, Schaumburg, IL 60196.

David W. Jacobs
David W. Jacobs

STATE OF ARIZONA)
 :
COUNTY OF MARICOPA)

I, Evelyn E. Coghlan, a Notary Public in and for the County and State aforesaid, do hereby certify that David W. Jacobs, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her 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 October, 1998.

Evelyn E. Coghlan
My commission expires on Oct 11, 2002

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Kathleen A. Tobin
Kathleen A. Tobin

STATE OF TEXAS)
 :
COUNTY OF BEXAR)

I, MARY R. ALFARO, a Notary Public in and for the County and State aforesaid, do hereby certify that Kathleen A. Tobin, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 28 day of September, 1998.



Mary R Alfaro
My commission expires on _____

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