

12-13-2005

Form PTO-15
OMB No. 065U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

ACTION FORM COVER SHEET

103135690

PATENTS ONLY

Express Mail No. EV696732947US

Docket No. CML02732CR
(001.2103)

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Emmett M. Howard 11/30/05
Kenneth A. Dean 11/30/05
Dirk C. Jordan 11/29/05

Additional name(s) of conveying party(ies)

☐ Yes ☒ No

2. Nature of conveyance/Execution Date(s):

Execution Date(s) November 29 and 30, 2005

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

2. Name and address of receiving party(ies)

Name: Motorola, Inc.

Internal Address: _____

Street Address: 1303 E. Algonquin Road, 3rd Floor

City: Schaumburg

State: IL

Country: United States Zip: 60196

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

4. Application or patent number(s):

A. Patent Application No.(s)

12/06/2005 5 HASSEN1 00000042 11292408

40.00 DP

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

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Customer No. 29,906

Name: William E. Koch

Internal Address: Ingrassia Fisher & Lorenz, P.C.

Street Address: 7150 E. Camelback Rd., Ste. 325

City: Scottsdale

State: AZ Zip: 85251

Phone Number: (480) 385-5060

Fax Number: (480) 385-5061

Email Address: wkoch@ifllaw.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
- ☐ Authorized to be charged to deposit account
- ☒ Enclosed
- ☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-2091

Authorized User Name _____

9. Signature:

Signature

Date

William E. Koch Registration No.: 29,659

Name of Person Signing

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

5

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, V.A. 22313-1450

CML02732CR (001.2103)

PATENT
REEL: 017294 FRAME: 0931

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Emmett M. Howard, Gilbert, ARIZONA; Kenneth A. Dean, Phoenix, ARIZONA; Dirk C. Jordan, Gilbert, ARIZONA**, 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 **PROCESS FOR PREVENTING ELECTRON EMISSIONS FROM A SIDEWALL OF A GATE ELECTRODE OF A FIELD EMISSION DEVICE** (Docket No. **CML02732CR (001.2103)**), 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 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 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.


Emmett M. Howard

DATE: 11/30/2005

STATE OF ARIZONA)
COUNTY OF MARICOPA) ss

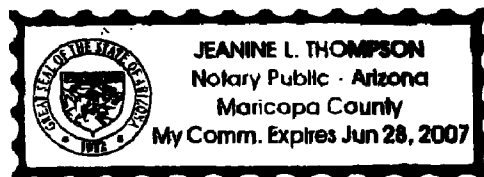
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Emmett M. Howard whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

Given under my hand and notarial seal this 30th day of November, 2005.

My commission expires: June 28, 2007


Notary Public Signature

Jeanine L. Thompson
Printed Name of Notary Public



Kenneth A. Dean

Kenneth A. Dean

DATE: 11-30-05

STATE OF ARIZONA)
)ss
COUNTY OF MARICOPA)

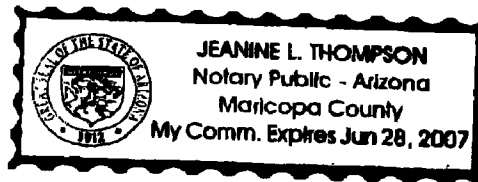
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Kenneth A. Dean whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

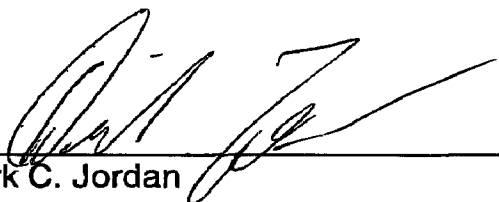
Given under my hand and notarial seal this 30th day of November, 2005.

My commission expires: June 28, 2007

Jeanine L. Thompson
Notary Public Signature

Jeanine L. Thompson
Printed Name of Notary Public




Dirk C. Jordan

DATE: 11/29/05

STATE OF ARIZONA)
)ss
COUNTY OF MARICOPA)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Dirk C. Jordan 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 29th day of November, 2005.

My commission expires: June 28, 2007


Notary Public Signature

Jeanine L. Thompson
Printed Name of Notary Public

