

05-26-2005

RECORDED



DOCKET NUMBER: IS01246AP

To the Honorable Commissioner of Patents and Trademarks:

103010426

Copy thereof.

## 1. Name of conveying party(ies):

Larry A. Sparling  
Scott W. Repplinger  
Eugene L. Wineinger

11-24-03

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

Name: Motorola, Inc.Internal Address: Law Department

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

☐

Yes

☐

No

## 3. Name of conveyance:

☒

Assignment

☐

Merger

☐

Security Agreement

☐

Change of Name

☐

Other

Execution Date: November 12 and 20, 2003

Street Address:

City: 1303 E. Algonquin Rd. State: IL Zip: 60196

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

☐

Yes

☐

No

22581 U.S. PTO  
10/721030  
112403

## 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 November 24, 2003

A. Patent Application No.(s)

10721030

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:

Street Address:

1303 E. Algonquin RoadCity: SchaumburgState: ILZip: 60196

## 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: 50-2117

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

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## 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

Thomas V. Miller

Reg#42,002

Name of Person Signing

Signature

November 24, 2003

Date

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

5

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

12/03/2003 DRYNE 00000078 502117 10721030

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40.00 DA

IS01246AP

PATENT  
REEL: 016590 FRAME: 0532

## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **LARRY A. SPARLING, MUNDELEIN, ILLINOIS; SCOTT W. REPPLINGER, LAKE ZURICH, ILLINOIS; and EUGENE L. WINEINGER, CAROL STREAM, ILLINOIS,** 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 **PRINTED CIRCUIT BOARD FOR A THREE-PHASE POWER DEVICE HAVING EMBEDDED DIRECTIONAL IMPEDANCE CONTROL CHANNELS** (Docket No. **IS01246AP**), 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.

Larry A. Sparling  
LARRY A. SPARLING

DATE: 11/20/2003

STATE OF ILLINOIS )  
COUNTY OF Cook )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Larry A. Sparling 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 20<sup>TH</sup> day of November, 2003.

My commission expires: 9/21/05

Tanya T. Scheuer  
Notary Public Signature

Tanya T. Scheuer  
Printed Name of Notary Public



Scott W. Repplinger  
SCOTT W. REPPLINGER

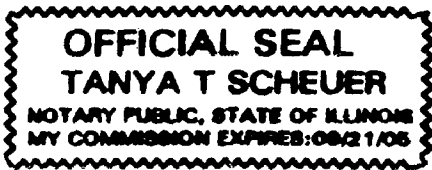
DATE: Nov 20, 2003

STATE OF ILLINOIS )  
COUNTY OF Cook )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Scott W. Repplinger 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 20<sup>th</sup> day of November, 2003.

My commission expires: 9/21/05



Tanya T. Scheuer  
Notary Public Signature

Tanya T. Scheuer  
Printed Name of Notary Public

Eugene L. Wineinger  
EUGENE L. WINEINGER

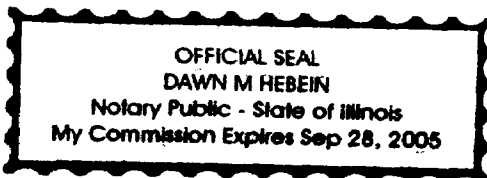
DATE: 12 Nov 03

STATE OF ILLINOIS )  
COUNTY OF Cook )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Eugene L. Wineinger 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 12 day of November, 2003.

My commission expires:



Dawn M Hebein  
Notary Public Signature

Dawn M Hebein  
Printed Name of Notary Public

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Sparling, Larry A. et al.

PARALEGAL: Carter, Maurice

SERIAL NO.: 10/721,030

ASSIGNMENT DIVISION

FILED: 11/24/2003

CASE NO.: IS01246AP

TITLED: PRINTED CIRCUIT BOARD FOR A THREE-PHASE POWER DEVICE HAVING  
EMBEDDED DIRECTIONAL IMPEDANCE CONTROL CHANNELS

Motorola, Inc.  
Law Dept. - 3<sup>rd</sup> floor  
1303 E. Algonquin Rd.  
Schaumburg, IL 60196

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Washington, D.C. 20231

Motorola, Inc.

7/19/04

Name of applicant, assignee, or  
Registered Representative

Date

*Monica J. Radtke*  
Signature

2004 JUL 26 AM 8:30  
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