

FOR

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 U.S. DEPARTMENT OF
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PATENTS ONLY

102275051

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

1. Name of conveying party(ies):

- 1) Leroy Albert Plymale, Sr.
2) Curtis Layne Carley
3) Darrin Joseph Russell
4)

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

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 1) 10/29/02 2) 10/29/02 3) 10/29/02

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

Name: Motorola, Inc.

Internal Address:

Street Address: 1303 East Algonquin RoadCity: Schaumburg State: IL ZIP: 60196Additional 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: 1) 10/29/02 2) 10/29/02
3) 10/29/02

A. Patent Application No.(s):

B. Patent No.(s):

C. Attorney Docket Number: CE05048N/10-106Additional numbers attached? ☐ Yes ☒ No

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

Name: David G. PoszInternal Address: Law Office Of David G. PoszStreet Address: 200 L Street N.W., Suite 200City: Washington State: D.C. ZIP: 20036-49246. Total number of applications and patents involved: ☐7. Total fee (37 CFR 3.41) \$ 40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number: 50-1147

(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.

Charles W. Bethards 36,453

Name of Person Signing

Reg. No.

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

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

11/06/2002 TDIAZ1 00000102 501147 10282566

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40.00 CH

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 PATENT
REEL: 013453 FRAME: 0461

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Leroy Albert Plymale, Sr.** of 7001 Crane Road, North Richland Hills, Texas 76180; **Curtis Layne Carley** of 2454 Durringer Road, Fort Worth, Texas 76133; **Darrin Joseph Russell** of 5 Heritage Court, Trophy Club, Texas 76262, 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 **METHOD AND APPARATUS FOR INCREASING A DYNAMIC RANGE OF A DIGITAL TO ANALOG CONVERTER**, (Attorney Docket No. **CE05048N/10-106**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us of even date herewith, 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 inventions 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 the 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.

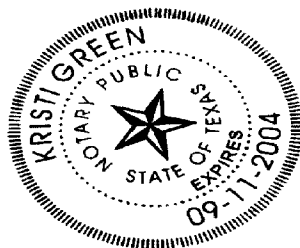
We hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to the said **MOTOROLA, INC.**, for the sole use and behalf of said **MOTOROLA, INC.**, its 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 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.

STATE OF TEXAS)
COUNTY OF TARRANT)

Given under my hand and notarial seal this 29th day of October, 2002.

Justi Owen
Notary Public
My commission expires on 9-11-2007



the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 24th day of October, 2002.

Notary Public
My commission expires on 9-11-2004



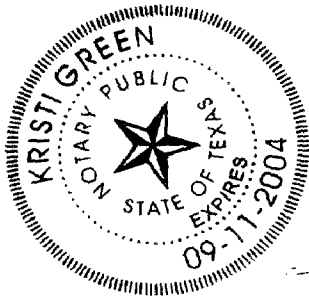
PATENT
REEL: 013453 FRAME: 0463

Curtis Layne Carley
Curtis Layne Carley

STATE OF TEXAS)
COUNTY OF TARRANT)

I, Kristi Green, a Notary Public in and for the County and State aforesaid, do hereby certify that **Curtis Layne Carley**, is personally known to me. I do hereby certify that he appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his 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 October, 2002.



Kristi Green
Notary Public
My commission expires on 9-11-2004

Darrin Joseph Russell
Darrin Joseph Russell

STATE OF TEXAS)
COUNTY OF TARRANT)

I, Kristi Green, a Notary Public in and for the County and State aforesaid, do hereby certify that **Darrin Joseph Russell**, is personally known to me. I do hereby certify that he appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his 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 October, 2002.



Kristi Green
Notary Public
My commission expires on 9-11-2004