

04-11-2000

FORM PTO-1594
(Rev. 6-93)

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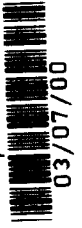
U.S. DEPARTMENT
OF COMMERCE

Atty Docket #:
IRI03796

101315014

Patent and
Trademark Office

10658 U.S. PTO
09/519915



03/07/00

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

1. Name of conveying part(ies):

Joel Lloyd Gross
Jonathan Henry Gross
Robert Anthony Peters
Daniel Francis DiFonzo

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

Name: Motorola, Inc.

Internal Address: Intellectual Property Dept.

Street Address: 1303 East Algonquin Road

City: Schaumburg State: IL ZIP: 60196

3. Nature of conveyance:

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

Execution date of conveyance:

February 12, 14, March 3, 2000

Additional 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:

February 12, 14, March 3, 2000

A. Patent Application No.(s):

B. Patent No.(s):

09/519915

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 Section - Suite R3163

Street Address: P.O. Box 10219

City, State, Zip: Scottsdale, AZ 85271-0219

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 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.

Frank J. Bogacz

29,047

3/7/00

Name of Person Signing

Reg. No.

Signature

Date

Total number of pages including cover sheet, attachments, and document: 6

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

04/10/2000 TTDN11 00000545 134771 09519915

01 FC:581

40.00 CH

PATENT
REEL: 010667 FRAME: 0464

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Joel Lloyd Gross of Chandler, AZ; Jonathan Henry Gross of Gilbert, AZ; Robert Anthony Peters of Silver Spring, MD; and Daniel Francis DiFonzo of Rockville, MD, 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 SYSTEM AND METHOD FOR MULTI-MODE OPERATION OF SATELLITE PHASED-ARRAY ANTENNA (Attorney Docket No. IRI03796), 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 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 inventions 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 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 the 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.

Joel Lloyd Gross
Joel Lloyd Gross

STATE OF ARIZONA)
COUNTY OF MARICOPA)

I, Barbara J. Couch, a Notary Public in and for the County and State aforesaid, do hereby certify that Joel Lloyd Gross, 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 3rd day of March, 2000.

Barbara J. Couch
My commission expires on 5/24/2002

SEAL



Address correspondence concerning this document to: Motorola, Inc., Customer Number: 22863.

Jonathan Henry Gross
Jonathan Henry Gross

STATE OF ARIZONA)

COUNTY OF MARICOPA)

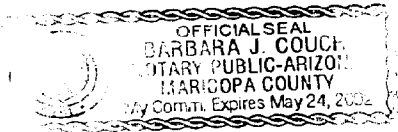
I, Barbara J. Couch, a Notary Public in and for the County and State aforesaid, do hereby certify that Jonathan Henry Gross, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her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

Given under my hand and notarial seal this 3rd day of March, 2000.

Barbara J. Couch

My commission expires on 5/24/02

SEAL



Address correspondence concerning this document to: Motorola, Inc., Customer Number: 22863.

Robert Anthony Peters

Robert Anthony Peters

STATE OF MARYLAND)

COUNTY OF Montgomery)

I, D. Stratakis, a Notary Public in and for the County and State aforesaid, do hereby certify that Robert Anthony Peters, 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 12 day of Feb., 2000.



My commission expires on _____
DIAMANTO STRATAKOS
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires April 1, 2000

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Address correspondence concerning this document to: Motorola, Inc., Customer Number: 22863.

Daniel F. DiFonzo

Daniel Francis DiFonzo

STATE OF MARYLAND)

COUNTY OF)

I, SHIRLEY A. COUNNELLY, a Notary Public in and for the County and State aforesaid, do hereby certify that Daniel Francis DiFonzo, 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 14TH day of FEB., 2000.

Shirley A. Connolly

My commission expires on 4/1/2000

SEAL

Address correspondence concerning this document to: Motorola, Inc., Customer Number: 22863.