

08-14-2001

Form: PTO-1595 (03/01)



101810999

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

31036 U.S. PRO
09/919553
07/31/01

1. Name of conveying party(ies):

Sumit Anil Talwalkar
Charles LeRoy Sobchak
Leng H. Ooi

07/31/01

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

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

Name: Motorola, Inc.Internal Address: Law DepartmentStreet Address: 1303 East Algonquin RoadCity: Schaumburg State: IL Zip: 60196Additional name(s) & address(es) attached? ☐ Yes ☒ No

3 Name of conveyance:

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

Execution Date: 7/31/01

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: 7/31/01

A. Patent Application No.(s)

B. Patent No.(s)

09/919553

Additional numbers attached? ☐ Yes ☒ No

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

Name: Motorola, Inc.Internal Address: Law DepartmentStreet Address: 8000 West Sunrise BoulevardCity: Fort Lauderdale State: Florida Zip: 333226. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

50-0757

(Attach duplicate 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 M. Scutch, III

Name of Person Signing

Signature

July 31, 2001

Date

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

5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **SUMIT ANIL TALWALKAR, PLANTATION, FLORIDA; CHARLES LEROY SOBCHAK, DAVIE, FLORIDA; and LENG H. OOI, PLANTATION, FLORIDA**, 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 **NULL-PILOT SYMBOL ASSISTED FAST AUTOMATIC FREQUENCY CONTROL (AFC) SYSTEM FOR COHERENT DEMODULATION OF CONTINUOUS PHASE MODULATION (CPM) SIGNALS AND METHOD FOR IMPLEMENTING SAME** (Docket No. **CM03094J**), 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.

Sumit A Talwalkar
SUMIT ANIL TALWALKAR

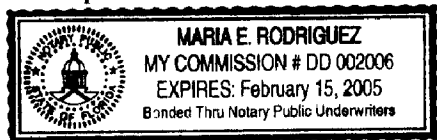
DATE: 31 July 2001

STATE OF FLORIDA)
SS:
COUNTY OF BROWARD)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Sumit Anil Talwalkar 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 31 day of July, 2001.

My commission expires:



Maria E Rodriguez
Notary Public Signature

MARIA E RODRIGUEZ
Printed Name of Notary Public

Charles L. Sobchak
CHARLES LEROY SOBCHAK

DATE: 31 July 2001

STATE OF FLORIDA)
SS:
COUNTY OF BROWARD)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Charles LeRoy Sobchak 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 31 day of July, 2001.

My commission expires:



Maria E Rodriguez
Notary Public Signature

Maria E. Rodriguez
Printed Name of Notary Public

DATE: 31st July 01

Maria E. Rodriguez
Printed Name of Notary Public