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FORM PTO-502 (Rev. 6-93)

Atty Docket # CMO3158J

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please receive...

1. Name of conveying part(ies):
 Quang C. Le
 Ronald H. Deck
 Richard B. Meador
 David H. Minasi

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: April 12 and June 7, 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: _____

A. Patent Application No.(s):
09/514,802

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: Intellectual Property Dept. Suite R3163
 Street Address: PO Box 10219
 City: Scottsdale State: AZ Zip: 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.

Lanny L. Parker 44,281 Lanny L. Parker 6-29-2000
 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)

08/11/2000 DNGUYEN 00000067 134771 09514802
 01 FC:581 40.00 CH

PATENT
 REEL: 010979 FRAME: 0239

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Quang C. Le of Gilbert, AZ; Ronald H. Deck of Cooper City, FL; Richard B. Meador of Gilbert, AZ ; and David H. Minasi of Fort Lauderdale, FL , 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 PHASE LOCK LOOP AND METHOD OF OPERATING THE SAME (Attorney Docket No. CMO3158J), 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.

Quang C. Le
Quang C. Le

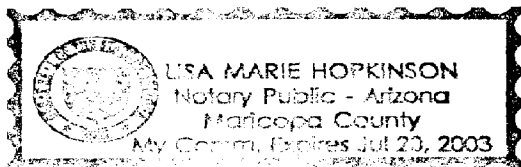
STATE OF ARIZONA)
COUNTY OF MARICOPA)

I, LISA MARIE HOPKINSON, a Notary Public in and for the County and State aforesaid, do hereby certify that Quang C. Le, 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.

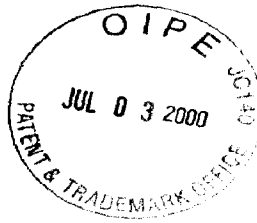
Given under my hand and notarial seal this 12th day of April, 2000.

Lisa Marie Hopkinson
My commission expires on July 20, 2003

SEAL



Address correspondence concerning this document to: Motorola, Inc., 23330.



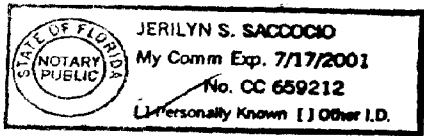
Ronald H Deck
Ronald H. Deck

STATE OF FLORIDA)

COUNTY OF Broward)

I, Jerilyn S. Saccoccio, a Notary Public in and for the County and State aforesaid, do hereby certify that Ronald H. Deck, 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.

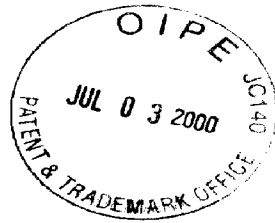
Given under my hand and notarial seal this 7th day of JUNE, 2000.



Jerilyn S. Saccoccio
My commission expires on _____

SEAL

Address correspondence concerning this document to: Motorola, Inc., 23330.



Richard B. Meador

Richard B. Meador

STATE OF ARIZONA)

COUNTY OF MARICOPA)

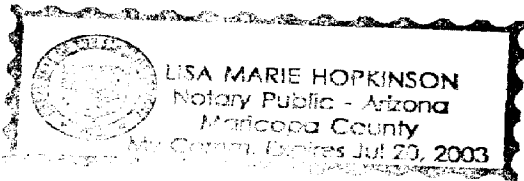
I, LISA MARIE HOPKINSON, a Notary Public in and for the County and State aforesaid, do hereby certify that Richard B. Meador, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her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

Given under my hand and notarial seal this 12th day of April, 2000.

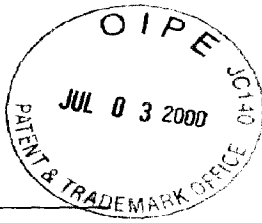
Lisa Marie Hopkinson

My commission expires on 30 - April ²⁰⁰¹ ~~July~~, 2003

SEAL



Address correspondence concerning this document to: Motorola, Inc., 23330.



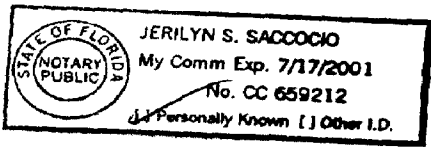
David H. Minasi

David H. Minasi

STATE OF FLORIDA)
COUNTY OF BROWARD)

I, JERILYN S. SACCOCCIO, a Notary Public in and for the County and State aforesaid, do hereby certify that David H. Minasi, 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 7th day of JUNE, 2000.



Jerilyn S. Saccocio

My commission expires on _____

SEAL

Address correspondence concerning this document to: Motorola, Inc., 23330.