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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Serial No: 09/716,154

CASE NO: CX098007 C01

To the Honorable Commissioner of Patent

101710221

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

Firass Abi-Nassif

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

## 3. Nature of Conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

Execution Date: November 17, 2000

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

USPTO Customer Number 22917

Name:

Motorola, Inc.

Internal Address: Corporate Offices

Intellectual Property Department

Street Address: 1303 East Algonquin Road

City: Schaumburg

State: IL

ZIP: 60196

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

USPTO Customer Number 22917

Name: Motorola, Inc.

Internal Address: Corporate Offices

Intellectual Property Department

Street Address: 1303 East Algonquin Road

City: Schaumburg State: IL ZIP: 60196

## 6. Total number of applications and patents involved:

1 Issued Patent, 1 Continuation Application

## 7. Total fee (37 CFR 1.21 (h)): ..... \$ 40.00



Enclosed



Authorized to be charged to deposit account

## 8. Deposit account number:

13-4772

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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.*

Joanne N. Pappas, reg. no. 40,117

Name of Person Signing

Signature

April 26, 2001

Date

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PATENT

REEL: 011764 FRAME: 0229

ASSIGNMENT AND AGREEMENT

For and in consideration of the sum of One Dollar to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, **Firass Abi-Nassif of South Boston, Massachusetts** 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 improvement in **System, Device, And Method for Initial Ranging in a Communication Network** (Case No. **CX098007**), 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 said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation or reissue thereof.

I 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 invention and said applications for Letters Patent in foreign countries, and I further authorize the said **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 said application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

I 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 the said **MOTOROLA, INC.**, for the sole use and behoof 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 me had this assignment not been made, and I hereby authorize

and request the equivalent authorities in foreign countries to issue the patents of their respective countries to the said MOTOROLA, INC.

I agree that, when requested, I will, without charge to said 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 said inventions in any and all countries and for vesting title thereto in said MOTOROLA, INC., its successors, assigns and legal representatives or nominees.

I 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.

Firass Abi Nassif  
Firass Abi-Nassif

June 30<sup>th</sup>, 98  
DATE

(STATE OF MASSACHUSETTS)

(COUNTY OF BRISTOL)

I, Russet L. Morrow, a Notary Public in and for the County and State aforesaid, do hereby certify that the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said 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 30 day of June, 1998.

Russet L. Morrow  
Notary Public

SEAL

My commission expires: Jan. 22, 2004

"Express Mail" EL03400478345  
Date of Deposit November 17, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Jimmy A. Olson  
Name of person mailing paper or fee  
Jimmy A. Olson 11-17-00  
Signature Date