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U.S. DEPARTMENT OF COMMERCE

Atty Docket #: IRI03654



Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks:

101167491

thereof.

1. Name of conveying part(ies):
Robert T. Frederick

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: September 28, 1999

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): 08/939,890

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 Department - 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)

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File OK

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.

Timothy J. Lorenz
Name of Person Signing

41,954
Reg. No.

Timothy J. Lorenz
Signature

9/29/99
Date

Total number of pages including cover sheet, attachments, and document: 3

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, Robert T. Frederick of Chandler, AZ, 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 EXCHANGE WHICH EXTENDS SIM BASED AUTHENTICATION AND METHOD THEREFOR, filed on September 29, 1997, as Application No. 08/939,890, (Attorney Docket No. IRI03654), described, illustrated, and claimed in an application for Letters Patent of the United States of America executed by me, 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.

I 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 I 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.

I 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 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 Motorola, Inc.

I agree that, when requested, I 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.

I 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.

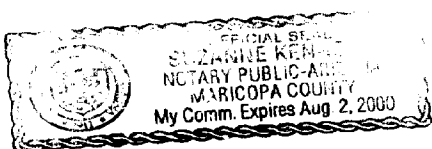
Robert T. Frederick
Robert T. Frederick

STATE OF ARIZONA)

COUNTY OF MARICOPA)

I, Suzanne Kennedy, a Notary Public in and for the County and State aforesaid, do hereby certify that Robert T. Frederick, 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 28th day of September, 1999.



Suzanne Kennedy
My commission expires on 8-2-2000

SEAL

Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department - Suite R3163, P.O. Box 10219, Scottsdale, AZ 85271-0219.