

03-14-2003

EXPRESS MAIL NO.: EV203576720US

Form: PTO-1595



102390511

DOCKET NO.: CS21223RL

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

1. Name of conveying party(ies):

Brian Storm
Qiang Guo
Ming D. Tan
Xuping Zhou
Mang Zhu

2.27.03

Additional name(s) of conveying party(ies) attached?

☐

Yes

☒

No

3 Name of conveyance:

☒

Assignment

☐

Merger

☐

Security Agreement

☐

Change of Name

☐

Other

Execution Date: 2/24/03, 2/25/03, 2/26/03

2. Name and address of receiving party(ies)

Name: Motorola, Inc.Internal Address: Law DepartmentStreet Address: 1303 East Algonquin RoadCity: SchaumburgState: ILZip: 60196

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 2/26/03.

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:

Name: MOTOROLA, INC.Internal Address: IL 93 AN475Street Address: 600 North U.S. Highway 45City: LibertyvilleState: IllinoisZip: 60048

6. 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: 50-2117

(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

Roland K. Bowler II

Name of Person Signing

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

9

Signature

Date

27 FEB 2003

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments, Washington, D.C. 20231

03/14/2003 LMUELLER 00000067 502117 10376191

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40.00 CH

PATENT
REEL: 013833 FRAME: 0870

PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **BRIAN STORM, ROUND LAKE BEACH , IL; QIANG GUO, VERNON HILLS, IL; MING D. TAN, GURNEE, IL; XUPING ZHOU, GURNEE, IL; IL; and MANG ZHU, VERNON HILLS, IL,** 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 **FRAME SYNCHRONIZATION AND SCRAMBLING CODE IDENTIFICATION IN WIRELESS COMMUNICATIONS SYSTEMS AND METHODS THEREFOR** (Docket No. **CS21223RL**), 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.

Brian Storm
BRIAN STORM

DATE: 2/26/2003

STATE OF ILLINOIS
COUNTY OF LAKE

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Brian Storm 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 26 day of FEBRUARY 2003.

My commission expires:

[Signature]
Notary Public Signature

R K BOWLER II
Printed Name of Notary Public



Qiang Guo
 QIANG GUO

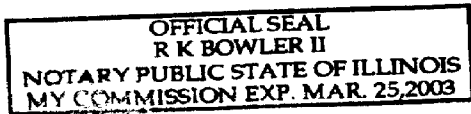
DATE: 24 FEBRUARY 2003

STATE OF ILLINOIS
 COUNTY OF LAKE

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Qiang Guo 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 24 day of FEBRUARY 2003.

My commission expires:



R K BOWLER II
 Notary Public Signature
[Signature]
 Printed Name of Notary Public

Ming D. Tan
 MING D. TAN

DATE: 2/24/2003

STATE OF ILLINOIS
 COUNTY OF LAKE

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Ming D. Tan 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 24 day of FEBRUARY 2003.

My commission expires:



[Signature]
 Notary Public Signature
R K BOWLER II
 Printed Name of Notary Public

XUPING ZHOU

DATE: 2/24/2003

STATE OF ILLINOIS
COUNTY OF LAKE

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Xuping Zhou 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 24 day of FEBRUARY 2003.

My commission expires:



[Signature]
Notary Public Signature

R K BOWLER II
Printed Name of Notary Public

MANG ZHU

DATE: _____

STATE OF ILLINOIS
COUNTY OF LAKE

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Mang Zhu 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 _____ day of _____ 2003.

My commission expires:

Notary Public Signature

Printed Name of Notary Public



EXPRESS MAIL NO.: EV203576720US

PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **BRIAN STORM, ROUND LAKE BEACH, IL; QIANG GUO, VERNON HILLS, IL; MING D. TAN, GURNEE, IL; XUPING ZHOU, GURNEE, IL; IL; and MANG ZHU, VERNON HILLS, IL,** 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 **FRAME SYNCHRONIZATION AND SCRAMBLING CODE IDENTIFICATION IN WIRELESS COMMUNICATIONS SYSTEMS AND METHODS THEREFOR** (Docket No. **C'S21223RL**), 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.

EXPRESS MAIL NO.: EV203576720US

QIANG GUO

DATE: _____

STATE OF ILLINOIS
COUNTY OF LAKE

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Qiang Guo 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 _____ day of _____
2003.

My commission expires:

Notary Public Signature

Printed Name of Notary Public_____
MING D. TAN

DATE: _____

STATE OF ILLINOIS
COUNTY OF LAKE

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Ming D. Tan 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 _____ day of _____
2003.

My commission expires:

Notary Public Signature_____
Printed Name of Notary Public

XUPING ZHOU

DATE: _____

STATE OF ILLINOIS
COUNTY OF LAKE


The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Xuping Zhou 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 _____ day of _____
2003.

My commission expires:

Notary Public Signature

Printed Name of Notary Public



MANG ZHU

DATE: 2/25/03

Witness Signature

Printed Name of Witness

Witness Signature

Printed Name of Witness