

11-10-1999

FORM PTO-1594  
1-31-92

RECORDED



U.S. DEPARTMENT OF COMMERCE

Docket No. CE01530R

101197908

Patent and Trademark Office

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

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

Deshan Yang;  
Jianlin Chen;  
Changzheng Kang; and  
Wayne Huang

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

☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date:

March 17, 1998, March 30, 1998,  
and April 01, 1998

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

Name: Motorola, Inc.Internal Address: Corporate Offices  
Intellectual Property DepartmentStreet Address: 1303 East Algonquin RoadCity: SchaumburgState: IllinoisZIP code: 60196

Additional name(s) &amp; 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):

08/959,882

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: Personal Communications Sector  
Intellectual Property DepartmentStreet Address: 600 North US Highway 45City: Libertyville State: IL ZIP: 600486. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number: 13-4768

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.

Sylvia Chen

39,633

Name of Person Signing

Reg. No.

Signature

27 SEP 99

Date

Total number of pages including cover sheet, attachments, and document: 5

OMB No. 0651-0011 (exp. 4/94)

PATENT  
REEL: 010364 FRAME: 0196

**ASSIGNMENT AND AGREEMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, I, **Deshan Yang of Naperville, Illinois, Jianlin Chen of Beijing, P.R. China, Changzheng Kang of Hainesville, Illinois, and Wayne Huang of San Diego, California**, 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, 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 filed Herewith (Docket No. **CE01530R, Serial No. 08/959,882**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by me on the dates indicated by my signature below, together with the entire right, title and interest in and to said application, and in and to any Letters Patent that may be issued upon said application, and upon any division, extension, continuation or reissue thereof.

I hereby also sell, assign and transfer unto 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.

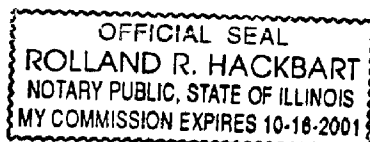
Changzheng Kang  
Changzheng Kang

Mar. 30. 98.  
DATE

(STATE OF ILLINOIS)  
(COUNTY OF LAKE)

I, Rolland R Hackbart, 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<sup>th</sup> day of March, 1998.



Rolland R Hackbart  
Notary Public

My commission expires: 10/16/2001

\_\_\_\_\_  
Wayne Huang

\_\_\_\_\_  
DATE

(STATE OF )  
(COUNTY OF )

I, \_\_\_\_\_, 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 \_\_\_\_\_ day of \_\_\_\_\_, 1997.

\_\_\_\_\_  
Notary Public

SEAL

My commission expires:

Changzheng Kang

DATE

(STATE OF ILLINOIS)  
(COUNTY OF LAKE)

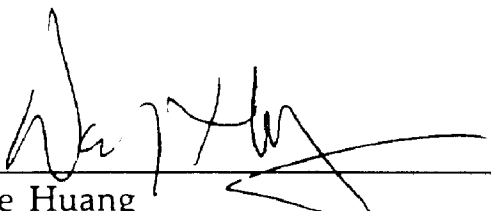
I, \_\_\_\_\_, a Notary Public in and for the County and State aforesaid, do hereby certify that the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_, 1997.

Notary Public

SEAL

My commission expires:

  
Wayne Huang

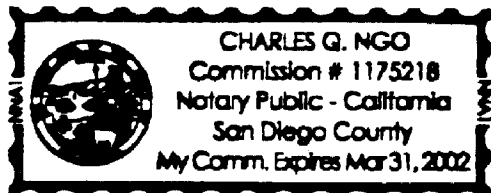
DATE 4/1/98

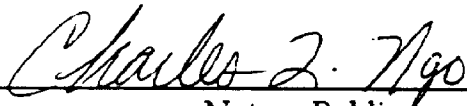
(STATE OF CALIFORNIA )  
(COUNTY OF SAN DIEGO)

I, CHARLES Q. NGO, 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 1<sup>ST</sup> day of APRIL, 1998

SEAL



  
Notary Public

My commission expires: MARCH 31, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Yang  
Serial No.: 08/959,882  
Filed: October 29, 1997  
Title: Reduced Keypad Entry Apparatus and Method

Examiner: To Be Assigned  
Art Unit: 2735  
Docket No.: CE01530R

Motorola, Inc.  
Intellectual Property Dept.  
600 North US Highway 45, AN475  
Libertyville, IL 60048

CERTIFICATE OF FIRST CLASS MAIL

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

I certify that on September 28, 1999, a Letter to the Assignment Division, Recordation Form Cover Sheet, Assignment and Agreement, Request For Corrected Filing Receipt, and Return Receipt Postcard for the above-referenced application are being deposited, postage prepaid, as First Class Mail addressed to:

Assistant Commissioner for Patents  
Washington, D.C. 20231

RECEIVED  
NOV - 8 1999  
OIP/E/JCW/S

By: *Julia Rosenquist*  
Name: Julia Rosenquist  
Date: September 28, 1999

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Yang  
Serial No.: 08/959,882  
Filed: October 29, 1997  
Title: Reduced Keypad Entry Apparatus and Method

SEP 30 1999  
PATENT & TRADEMARK OFFICE

Examiner: To Be Assigned  
Art Unit: 2735  
Docket No.: CE01530R

Motorola, Inc.  
Intellectual Property Dept.  
600 North U.S. Highway 45, AN475  
Libertyville, IL 60048

**LETTER TO THE ASSIGNMENT DIVISION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Enclosed is a new Recordation Form Cover Sheet correcting an error made in the previous Recordation Form Cover Sheet filed on April 9, 1999 and recorded on Reel No. 010064 for five (5) pages at Frames 0340, 0341, 0342, 0343, and 0345. The serial number was recorded in error as 08/959,883; the correct serial number is 08/959,882.

Enclosed is a new Recordation Form Cover Sheet and the original Assignment and Agreement.

Respectfully submitted,

*Sylvia Chen* 28 SEP 99

Please forward all correspondence to:  
Motorola, Inc.  
Intellectual Property Dept. (SYC)  
600 North US Highway 45, AN475  
Libertyville, IL 60048

Sylvia Chen  
Attorney for Applicant  
Registration No. 39,633  
Telephone: (847) 523-2321  
Facsimile: (847) 523-2350

date