

04/28/00
JC811 U.S. PTO
FD20016

05-15-2000



101355216

SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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

1. Name of conveying part(ies):

Joyce K. Yamamoto
Chenggang Xie
Johann T. Trujillo
Robert Adler
Peter A. Smith

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

JC625 U.S. PTO
09/560971
04/28/00

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution date of conveyance:

April 4, 2000
April 6, 2000
April 18, 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:

April 4, 2000
April 6, 2000
April 18, 2000

A. Patent Application No.(s):

89560971

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 Section - 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)

DO NOT USE THIS SPACE

40F

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.

Kevin D. Wills

43,993

Kevin D. Wills

4-28-00

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)

05/12/2000 DNGUYEN 00000327 134771 09560971

01 FC:581 40.00 CH

PATENT
REEL: 010773 FRAME: 0699

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Joyce D. Yamamoto of Chandler, AZ; Chenggang Xie of Phoenix, AZ; Johann T. Trujillo of Mesa, AZ; Robert Adler of Northbrook, IL; and Peter A. Smith 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 FIELD EMISSION DISPLAY HAVING AN INVISIBLE SPACER AND METHOD THEREOF (Attorney Docket No. FD20016), 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.

Joyce D. Yamamoto
Joyce D. Yamamoto

STATE OF ARIZONA)

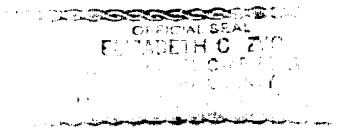
COUNTY OF MARICOPA)

I, ELIZABETH C. ZYC, a Notary Public in and for the County and State aforesaid, do hereby certify that Joyce D. Yamamoto, 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 18th day of April, 2000.

Elizabeth C Zyc
My commission expires on 7-19-01

SEAL



Address correspondence concerning this document to: Motorola, Inc., Customer Number: 22863.

Chenggang Xie
Chenggang Xie

STATE OF ARIZONA)

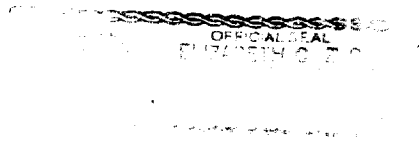
COUNTY OF MARICOPA)

I, ELIZABETH C. Fry, a Notary Public in and for the County and State aforesaid, do hereby certify that Chenggang Xie, 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 18th day of April, 2000.

Elizabeth C. Fry
My commission expires on 7-19-01

SEAL



Address correspondence concerning this document to: Motorola, Inc., Customer Number: 22863.

Johann T. Trujillo
Johann T. Trujillo

STATE OF ARIZONA)

COUNTY OF MARICOPA)

I, ELIZABETH C. Zyc, a Notary Public in and for the County and State aforesaid, do hereby certify that Johann T. Trujillo, 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 18th day of April, 2000.

Elizabeth C. Zyc
My commission expires on 7-19-01

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Address correspondence concerning this document to: Motorola, Inc., Customer Number: 22863.

Robert Adler
Robert Adler

STATE OF ILLINOIS)

COUNTY OF Cook)

I, MARGARET J DIPIETRO, a Notary Public in and for the County and State aforesaid, do hereby certify that Robert Adler, 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 4th day of April, 2000.

Margaret J. DiPietro
My commission expires on 4/27/03

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Address correspondence concerning this document to: Motorola, Inc., Customer Number: 22863.

Peter A. Smith
Peter A. Smith

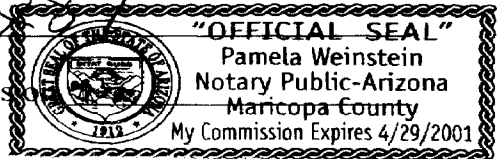
STATE OF ARIZONA)

COUNTY OF MARICOPA)

I, Pamela Weinstein, a Notary Public in and for the County and State aforesaid, do hereby certify that Peter A. Smith, 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 2nd day of April, 2000.

Pamela Weinstein
My commission expires 4/29/2001



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Address correspondence concerning this document to: Motorola, Inc., Customer Number: 22863.