

03-16-2000

Express Mail No. EM403504025US

FORM PTO-1594
1-31-92

RE



U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Docket No. CS10622

101290114

PTO

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

1. Name of conveying party(ies):
 Brian K. Classon;
 Terry M. Schaffner; and
 Vipul A. Desai

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

2. Name and address of receiving party(ies):
 Name: Motorola, Inc.
 Internal Address: Corporate Offices
Intellectual Property Department
 Street Address: 1303 East Algonquin Road
 City: Schaumburg
 State: Illinois
 ZIP code: 60196

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: **Feb. 2, 2000 and Feb. 4, 2000**

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: **Herewith**

A. Patent Application No.(s):
09/501,883

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 Department
 Street Address: 600 North US Highway 45
 City: Libertyville State: IL ZIP: 60048

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41)\$ 40.00
 Enclosed
 Authorized to be charged to deposit account

8. 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.

Brian M. Mancini 39,288 *Brian M. Mancini* 2-16-00
 Name of Person Signing Reg. No. Signature Date

Total number of pages including cover sheet, attachments, and document: 7

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

03/15/2000 DNGUYEN 00000257 134768 09501883

01 FC:581 40.00 CH

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, **Brian K. Classon of Streamwood, Illinois, Terry M. Schaffner of Palatine, Illinois; and Vipul A. Desai of Hoffman Estates, Illinois**, 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 **Soft-Decision Output Decoder For Convolutional Codes** filed **Herewith** (Docket No. **CS10622**), 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.

Brian K Classon

2-4-00

Brian K. Classon

DATE

(STATE OF ILLINOIS)
(COUNTY OF COOK)

I, BETTY GUTOWSKI, 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 4th day of February, 2000.



SEAL

Betty Gutowski
Notary Public

My commission expires: 2-20-2002

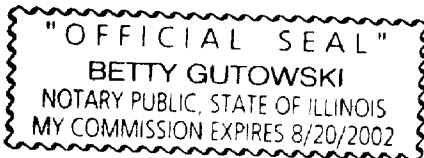
Vipul A. Desai
Vipul A. Desai

2/4/00
DATE

(STATE OF ILLINOIS)
(COUNTY OF COOK)

I, BETTY GUTOWSKI, 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 4th day of February, 2000.



SEAL

Betty Gutowski
Notary Public

My commission expires: 2-20-2002

Terry M. Schaffner

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 _____, 2000.

Notary Public

SEAL

My commission expires:

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, **Brian K. Classon** of **Streamwood, Illinois**, **Terry M. Schaffner** of **Palatine, Illinois**; and **Vipul A. Desai** of **Hoffman Estates, Illinois**, 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 **Soft-Decision Output Decoder For Convolutional Codes** filed **Herewith** (Docket No. **CS10622**), 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.

Brian K. Classon

DATE

(STATE OF ILLINOIS)
(COUNTY OF COOK)

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 _____, 2000.

Notary Public

SEAL

My commission expires:

Vipul A. Desai

DATE

(STATE OF ILLINOIS)
(COUNTY OF COOK)

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 _____, 2000.

Notary Public

SEAL

My commission expires:

Terry M. Schaffner
Terry M. Schaffner

Feb. 2, 2000
DATE

(STATE OF ILLINOIS)
(COUNTY OF ~~LAKE~~
COOK)

I, *Dorlene Wahl*, 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 2 day of February, 2000.

Darlene M. Wahle
Notary Public



SEAL

My commission expires: Dec 8, 2001