

"Express Mail" ELC34024868245  
Date of Deposit MARCH 30, 2001

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Assistant Commissioner for Patents  
Washington, D.C. 20231  
101676945  
3/30/01

SHEILA MANNERINO  
Name of person making paper or fee  
3-30-01  
Date

Sir:

Please record the attached original documents or copy thereof.

1. Name of Conveying party(ies): Thomas P. McGovern, Michael J. Crowley, James E. Eastwood, and Bradley M. Hiben

2. Name and Address of Receiving Party	State of Incorporation
Motorola, Inc., 1303 East Algonquin Road Schaumburg, Illinois 60196	Delaware

1c997 U.S. PTO  
09/822605  
03/30/01

3. Nature of Conveyance: Assignment Execution Date: March 30, 2001

4. This document is being filed along with a new patent application:

Docket No.: CM03929H

Title: SYSTEM AND METHOD OF ACHIEVING DYNAMIC CHANNEL BANDWIDTH

09822605

The execution date of the application is: March 30, 2001

5. Please send correspondence to: Motorola, Inc.  
Intellectual Property Department  
1303 E. Algonquin Road  
Schaumburg, IL 60196

6. Total Number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41) \$ 40.00

8. Authorization to charge all recording fees to Deposit Account No.: 13-4772. A duplicate copy of this sheet is attached.

9. To the best of my knowledge and belief, the foregoing information is a true and correct original document.

DO NOT USE THIS SPACE

<b>SEND CORRESPONDENCE TO:</b>  Motorola, Inc. Intellectual Property Section Law Department 1303 E. Algonquin Road Schaumburg, IL 60196  Total Number of pages comprising cover sheet and copy: 2 Total Number of pages comprising Assignment: 3 <b>5 pgs Total</b>	<b>By:</b> <u>[Signature]</u> Terri S. Hughes Attorney for Applicant(s) Reg. No.: 41,856 Telephone: (847) 576-0741 Fax No.: (847) 576-0721  <b>Date:</b> <u>March 30, 2001</u>
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"Express Mail" EL034024868 116  
Date of Receipt March 30, 2001

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SHELLA MANNERINO  
Name of person making deposit of fee

3.30.01  
Date

PATENT

### ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **THOMAS P. MCGOVERN, LAGRANGE PARK, IL; MICHAEL J. CROWLEY, OAK PARK, IL; JAMES E. EASTWOOD, BELLINGHAM, WA; AND BRADLEY M. HIBEN, GLEN ELLYN, 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 **SYSTEM AND METHOD OF ACHIEVING DYNAMIC CHANNEL BANDWIDTH** (Docket No. **CM03929H**), 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.

James E. Eastwood  
JAMES E. EASTWOOD

DATE: 3/30/01

STATE OF ILLINOIS  
COUNTY OF COOK

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that James E. Eastwood 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 30<sup>th</sup> day of March, 2001.

My commission expires:



Sheila R. Mannerino  
Notary Public Signature  
SHEILA R. MANNERINO  
Printed Name of Notary Public

Bradley M. Hibben  
BRADLEY M. HIBBEN

DATE: 3/30/2001

STATE OF ILLINOIS  
COUNTY OF COOK

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Bradley M. Hibben 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 30<sup>th</sup> day of March, 2001.

My commission expires:



Sheila R. Mannerino  
Notary Public Signature  
SHEILA R. MANNERINO  
Printed Name of Notary Public

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.

  
THOMAS P. MCGOVERN

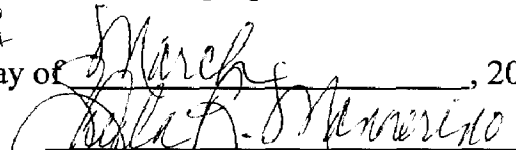
DATE: 3/30/2001

STATE OF ILLINOIS  
COUNTY OF COOK

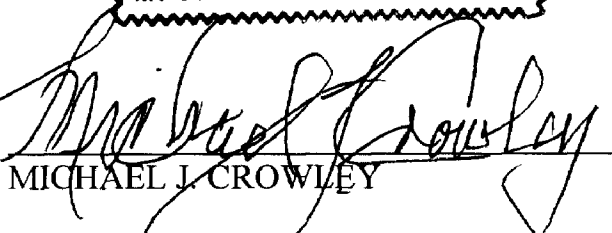
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Thomas P. McGovern whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 30<sup>th</sup> day of March, 2001.

My commission expires:

  
Notary Public Signature  
SHEILA R. MANNERINO  
Printed Name of Notary Public



  
MICHAEL J. CROWLEY

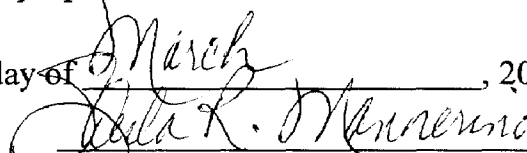
DATE: 3-30-2001

STATE OF ILLINOIS  
COUNTY OF COOK

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Michael J. Crowley 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 30<sup>th</sup> day of March, 2001.

My commission expires:

  
Notary Public Signature  
SHEILA R. MANNERINO  
Printed Name of Notary Public

