

*MRS 12-22-99*



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To the Assistant Commissioner of Patent

1. Name of conveying party(ies):  
Patrick D. Smith  
Robert G. Uskali  
  
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 (3<sup>rd</sup> Floor)  
Street Address: 1303 E. Algonquin Rd.  
City: Schaumburg State: IL ZIP: 60196  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: December 22, 1999

4. Application number(s) or patent numbers(s):  
If this document is being filed together with a new application, the execution date of the application is: December 22, 1999  
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: Corporate Offices  
Attn: Intellectual Property Dept.  
Street Address: 1303 E. Algonquin Rd.  
City: Schaumburg State: IL ZIP: 60195

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 1.21(h)): \$ 40.00  
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## PATENT APPLICATION

ASSIGNMENT AND AGREEMENT

For and in consideration of the sum of One Dollar to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, **Patrick D. Smith of Deerfield, Illinois, and Robert G. Uskali of Schaumburg, 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, 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 improvement in **Method and Apparatus for Automated Correlation of Digital Modulation Impairment** (Case No. PD05924AM), 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 said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto the 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 we 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.

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 the said **MOTOROLA, INC.**, for the sole use and behalf 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 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 the said MOTOROLA, INC.

We agree that, when requested, we 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.

We 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.

Patrick D. Smith  
Patrick D. Smith

12/22/99  
DATE

(STATE OF ILLINOIS )  
(COUNTY OF COOK )

I, Loretta M. Schumacher, 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 22nd day of December, 19 99.



Loretta M. Schumacher  
Notary Public

My commission expires:

SEAL

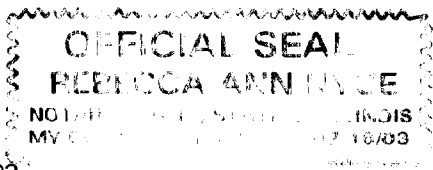
Robert G. Uskali  
Robert G. Uskali

12/22/99  
DATE

(STATE OF Illinois )  
(COUNTY OF Cook )

I, Rebecca Ann Nye, 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 22nd day of Dec, 19 99.



Rebecca Ann Nye  
Notary Public

My commission expires: 07/16/03

SEAL

Rev. 9/30/92