FORM PTO-1595 1-31-92		U.S. DEPARTMENT OF COMMERCE		
1-31-92		Patent and Trademark Office		
	100846440	CASE NO.:CP00305C		
To the Assistant Commissioner for Patents	Please record the attached orig	rinal documents or copy thereof.		
Name of conveying party(ies): Gary Shapiro	2. Nan	ne and address of receiving party(ies):		
Greg Black		Motorola, Inc.		
Mike Newell		Address: Corporate Offices		
Additional name(s) of conveying party(ies) attached?	Yes No	Intellectual Property Department		
3. Nature of Conveyance:	0 1200 -			
x Assignment Merg	er 8-17-96 Street A	Address: 1303 E. Algonquin Road		
Security Agreement Chan	ge of Name			
Other	-	Schaumburg State: IL ZIP: 60196		
Execution Date:07/22/98, 07/28/9	Addition	nal name(s) & address(es) attached? Yes x No		
4. Application number(s) or patent number				
If this document is being filed together v A. Patent Application No.(s) S. N. 09/088,356 filed 06/01/98	B. F	Patent No.(s)		
	itional numbers attached?	Yes x No		
Name and address of party to whom correduction document should be mailed:	0. 100	al number of applications and patents involved: 1		
Name: Motorola, Inc.	7. Tota	al fee (37 CFR 1.21(h):\$ 40.00		
Internal Address: Corporate Offices		Enclosed		
Intellectual Property		-		
Street Address: 1303 E. Algonquin I	Pood X			
Too E. Algoriquin	о. Бер	osit account number: 3-4772		
City: <u>Schaumburg</u> State: <u>IL</u>	ZIP: <u>60196</u> (Attach	duplicate copy of this page if paying by deposit account)		
	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. Gary J. Cunningham Reg. 33,488 Name of Person Signing Name of person Signing Total number of pages comprising cover sheet, attachments and documents:				
J/1998 SBL 1776R 00000017 134772 09088356				
2:581 40.00 CH Do not detach this portion				
·				
Mail documents to be recorded with required cover sheet information				
Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231				
Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-100C, Washington, D.C.20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503				

PATENT REEL: 9488 FRAME: 0535

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, Gary Shapiro of Albuquerque, New Mexico; Greg Black of Vernon Hills, IL; and Michael Newell of Williams Bay, Wisconsin 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 Power Amplifier Output Module For Dual-Mode Digital Systems (Case No. CP00305C), 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.

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PATENT REEL: 9488 FRAME: 0536

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 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 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.

Day Shapin	7/22/48	
Gary (Shapiro)	DATE /	

(STATE OF NEW MEXICO)

(COUNTY OF BErnahllo)

I. Doro Then M. DERIX, a Notary Public in and for the County and State aforesaid, do hereby certify that the same person whose name is subscribed to the foregoing instrument immediately above, appeared before me this day in person and acknowledged that he signed, sealed and delivered said instrument as his 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 July, 19 98.

Notary Public

SEAL

My commission expires: 3-15-2002

Rev. 9/30/92

Huy	Stael
Gree Black	

(STATE OF ILLINOIS)

(COUNTY OF LAKE

I, JENNIFER MAGNESS, a Notary Public in and for the County and State aforesaid, do hereby certify that the same person whose name is subscribed to the foregoing instrument immediately above, appeared before me this day in person and acknowledged that he signed, sealed and delivered said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this <u>3RD</u> day of <u>AuGust</u>, 1998.

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SEAL

OFFICIAL SEAL JENNIFER MAGNESS Notary Public

My commission expires: 3/26/02

Rev. 9/30/92

PATENT

Madia Manage	7-28-78
Michael Newell	DATE

(STATE OF ILLINOIS)

(COUNTY OF COOK)

I, Helen M. Joung, a Notary Public in and for the County and State aforesaid, do hereby certify that the same person whose name is subscribed to the foregoing instrument immediately above, appeared before me this day in person and acknowledged that he signed, sealed and delivered said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this $\frac{26}{100}$ day of $\frac{500}{100}$, 198.

SEAL \$

OFFICIAL SEAL
HELEN M YOUNG
NOTARY PUBLIC, STATE OF ILLINOIS

My commission expires: 25 March 2002

Rev. 9/30/92

PATENT REEL: 9488 FRAME: 0539