FORM PTO-1595	U.S, DEPARTMENT OF COMMERCE	
RECORI	Patent and Trademark Office	
UND RECK	CASENO: CX099050	
To the Honorable Commissioner of Patents and Trade	101588858 <u>uments or copy thereof.</u>	
Name of conveying party(ies): Mark Charles Miner	2. Name and address of receiving party(ies):	
Michael Jaimie Cooper	USPTO Customer Number 22917	
Additional name(s) of conveying party(ies) attached? Yes X No	Name: Motorola, Inc.	
3. Nature of Conveyance:	Internal Address: Corporate Offices	
x Assignment Merger	Intellectual Property Department	
Security Agreement Change of Name	Street Address: 1303 East Algonquin Road .	
	City: Schaumburg State: IL ZIP: 60196	
OtherOctober 10, 2000	Additional name(s) & address(es) attached? Yes x No	
Execution Date: October 19, 2000 4. Application number(s) or patent numbers(s):		
4. Expendence number(s) of patent numbers(s).		
If this document is being filed together with a new application	, the execution date of the application is: October 19, 2000	
A. Patent Application No.(s)	B. Patent No.(s)	
001104 15 5	Ver Ver	
Additional numbers att		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
USPTO Customer Number 22917	7. Total fee (37 CFR 1.21 (h)): \$ 40.00	
Name: Motorola, Inc.	Enclosed	
Internal Address: Corporate Offices		
Intellectual Property Department	x Authorized to be charged to deposit account	
Street Address: 1303 East Algonquin Road	8. Deposit account number:	
	(Attach duplicate copy of this page if paying by deposit account)	
City: Schaumburg State: IL ZIP: 60196	(Attended only on the Fig. 1 av 0)	
DO NOT USE THIS SPACE		
O. S. Lawrent and signature		
9. Statement and signature.	attached convic a true conv	
To the best of my knowledge and belief, the foregoing informa	tion is true and correct and any anached copy is a true copy	
a 1		
Joanne N. Pappas, reg. no. 40,117 Name of Person Signing Signature	October 19, 2000 Date	
Name of Person Signing Signature	Total number of pages comprising cover sheet: 1	
OMB No. 0651-0011 (exp. 4/94)		
	etach this portion	
	the free free free free free free free fr	
Mail documents to be recorded with required cover sheet information		
Mail documents to be recorded with required cover sheet information Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document		
Box	Assignments	
Washing (Washing)	guin, soot avant	
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 to be recorded, including time for reviewing the comments regarding this burden estimate to the U.S. Patent		
to be recorded, including time for reviewing the document and grant page this burden estimate to the U.S. Patent		
and Trademark Office, Office of Information Sy	stems, PK2-100C, Washington, D.C.20231, and to the Reduction Project, (0651-0011), Washington, D.C. 20503	
Office of Management and Budget, Paperwork P	100 mo 1 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m	

PATENT REEL: 011307 FRAME: 0268 Express Mail No.: EK141907557US

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, Mark Charles Miner, of Foxboro,

Massachusetts 02035, and Michael Jaimie Cooper, of Marietta, Georgia, 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 LOW-POWERED COMMUNICATION

SYSTEM AND METHOD OF OPERATION (Case No. CX099050), 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 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

Express Mail No.: EK141907557US

DOCKET NO: CX099050

REEL: 011307 FRAME: 0269

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.

Wash Charles Mene	October 14, 2000
Mark Charles Miner (DATE
COMMONWEALTH OF: MASSACHUSETTS)	

(COUNTY OF: Bristof

na Z. Croke, 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 14th day of October, 2000.

Notary Public

My commission expires: _5//7/2007 SEAL

- 2 -

DOCKET NO: CX099050

Express Mail No.: EK141907557US

Michael Jaimie Coper Michael Jaimie Coper	October 16,2000 DATE
(STATE OF: GEORGIA)	
(COUNTY OF: Forth) I, Fam Shapard , a Notary Public in and for the Country in person and acknowledged that they signed, sealed and voluntary act and deed for the uses and purposes therein set for the uses and purposes.	delivered said instrument as their free and
Given under my hand and notarial seal this 1 day o	of October, 2000. M. Slepack Notary Public
SEAL My comm	APR. 4 4 2004 APR. 4 2004 APR. 4 APR.

DOCKET NO: CX099050

Express Mail No.: EK141907557US

RECORDED: 10/19/2000

- 3 -

PATENT REEL: 011307 FRAME: 0271