

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Tenkasi V. Ramabadran	01/31/2008
Mark A. Jasiuk	01/31/2008
RECEIVING PARTY DATA	
Name:	Motorola, Inc.
Street Address:	1303 E. Algonquin Road
City:	Schaumburg
State/Country:	ILLINOIS
Postal Code:	60196
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12024620
CORRESPONDENCE DATA	
Fax Number:	(312)277-2397
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	312-577-7000
Email:	SGPARM@FITCHEVEN.COM
Correspondent Name:	MOTOROLA/FETF
Address Line 1:	120 S. LASALLE STREET
Address Line 2:	SUITE 1600
Address Line 4:	CHICAGO, ILLINOIS 60603-3406
ATTORNEY DOCKET NUMBER:	7303/89774
NAME OF SUBMITTER:	Steven G. Parmelee

CH \$40.00 12024620

Total Attachments: 3  
 source=89774\_Assignment\_1#page1.tif  
 source=89774\_Assignment\_1#page2.tif



## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **TENKASI V. RAMABADRAN**, Naperville, Illinois and **MARK A. JASIUK**, Chicago, 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 improvements in **METHOD AND APPARATUS FOR ESTIMATING HIGH-BAND ENERGY IN A BANDWIDTH EXTENSION SYSTEM** (Docket No. **CML04911EV (7303/89774)**), 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.

Mark A. Jasiuk  
MARK A. JASIUK

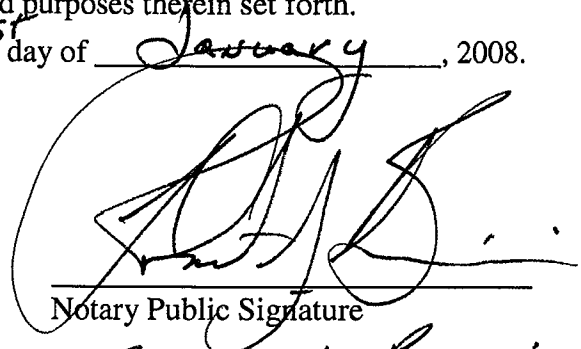
DATE: JANUARY 31, 2008

STATE OF ILLINOIS     )  
  )ss  
COUNTY OF COOK     )

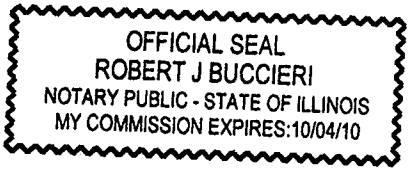
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that MARK A. JASIUK whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

Given under my hand and notarial seal this 31<sup>st</sup> day of January, 2008.

My commission expires: 10/4/10

  
\_\_\_\_\_  
Notary Public Signature

ROBERT J. BUCCIERI  
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.

Tenkasi V. Ramabadrav  
TENKASI V. RAMABADRAN

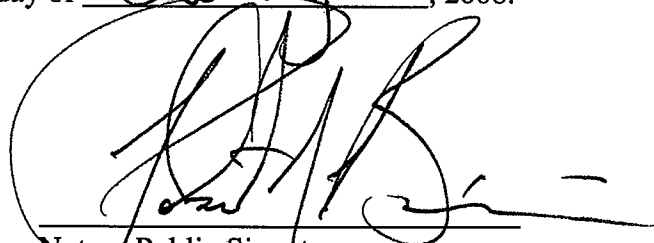
DATE: Jan 31, 2008

STATE OF ILLINOIS     )  
  )ss  
COUNTY OF COOK     )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that TENKASI V. RAMABADRAN 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 31<sup>st</sup> day of January, 2008.

My commission expires: 10/4/10



Notary Public Signature

ROBERT J. BUCCIERI  
Printed Name of Notary Public

