

MRD 9-21-98

FORM PTO-1594 (Rev. 6-93)		RECORD		EET		U.S. DEPARTMENT OF COMMERCE	
Atty Docket #: <b>IR103709</b>		09-28-1998				Patent and Trademark Office	
To the Honorable Commissioner of Patents and Ti				nts or copy thereof.		PTO 09/15/98	
1. Name of conveying part(ies): Shay-Ping T. Wang Stephen Chih-Hung Ma James Edward Mitzlaff Shaowei Pan				2. Name and address of receiving party(ies):  Name: <u>Motorola, Inc.</u> Internal Address: <u>Intellectual Property Dept.</u> Street Address: <u>1303 East Algonquin Road</u> City: <u>Schaumburg</u> State: <u>IL</u> ZIP: <u>60196</u>			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____				Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Execution date of conveyance:		September 4, 1998 September 8, 1998 September 14, 1998					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:  A. Patent Application No.(s): B. Patent No.(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Motorola, Inc.</u> Internal Address: <u>Intellectual Property Department</u> <u>Suite R3108</u> Street Address: <u>P.O. Box 10219</u> City, State, Zip: <u>Scottsdale, AZ 85271-0219</u>				6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 C.F.R. 3.41)..... \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account			
				8. Deposit account number: <u>13-4771</u> (Attach triplicate 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.							
Dana B. LeMoine		40,062		<u>Dana B. LeMoine</u>		<u>9-17-98</u>	
Name of Person Signing		Reg. No.		Signature		Date	
Total number of pages including cover sheet, attachments, and document: 5							

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09/28/1998 TTOM11 00000086 134771 09157682

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PATENT  
REEL: 9468 FRAME: 0142

## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Shay-Ping T. Wang of Long Grove, IL; Stephen Chih-Hung Ma of Mesa, AZ; James Edward Mitzlaff of Arlington Heights, IL; and Shaowei Pan of Lake Zurich, 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 METHOD AND APPARATUS FOR HIGH EFFICIENCY POWER AMPLIFICATION (Attorney Docket No. IRI03709), described, illustrated, and claimed in an application for Letters Patent of the United States of America executed by us, 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.

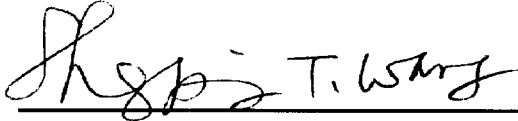
We hereby also sell, assign, and transfer unto Motorola, Inc., the entire right, title, and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the inventions 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 the 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 and Trademarks 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 behoof of Motorola, Inc., its successors, assigns, and legal representatives, to the full end of the term for which the 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 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.

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.



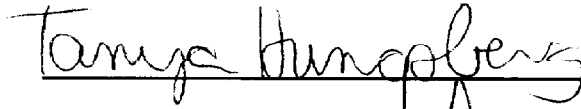
Shay-Ping T. Wang

STATE OF ILLINOIS )

COUNTY OF ~~LAKE~~ Cook )

I, Tanya Hungsberg, a Notary Public in and for the County and State aforesaid, do hereby certify that Shay-Ping T. Wang, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 4 day of September, 1998.



My commission expires on August 19, 2000



SEAL

Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department Suite R3108, P.O. Box 10219, Scottsdale, AZ 85271-0219.

Stephen Chih-Hung Ma  
Stephen Chih-Hung Ma

STATE OF ARIZONA )

COUNTY OF MARICOPA )

I, TERI L. ROWE, a Notary Public in and for the County and State aforesaid, do hereby certify that Stephen Chih-Hung Ma, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 14<sup>TH</sup> day of SEPTEMBER, 1998.



Teri L. Rowe  
My commission expires on AUG 2, 2000

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Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department Suite R3108, P.O. Box 10219, Scottsdale, AZ 85271-0219.

James Edward Mitzlaff  
James Edward Mitzlaff

STATE OF ILLINOIS )

COUNTY OF COOK )

I, Mariellen, a Notary Public in and for the County and State aforesaid, do hereby certify that James Edward Mitzlaff, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 8th day of September, 1998.

Mariellen Lang

My commission expires on 2/23/02

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Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department Suite R3108, P.O. Box 10219, Scottsdale, AZ 85271-0219.

Shaowei Pan

Shaowei Pan

STATE OF ILLINOIS )

COUNTY OF COOK )

I, Tanya Hungsberg, a Notary Public in and for the County and State aforesaid, do hereby certify that Shaowei Pan, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 4 day of September, 1998.

Tanya Hungsberg  
My commission expires on August 19, 2000

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Department Suite R3108, P.O. Box 10219, Scottsdale, AZ 85271-0219.