MOM	MCMNDMEND,	пвыл,	Œ	MWPPAX
	Form PTO-1595 (Rev			
	<u>OMD_No. 0651-0</u> 02	/ (exp. 6/30	/20	08)

OMD No. 0651-0027 (0xp. 6/30/2008)	U.S. Department of COMMERCE				
RECORDATION FO	PRM COVER SHEET 17841US01				
PATENTS ONLY					
To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address/gab below					
Name of conveying party(ies):     Emmanouil Frantzeskakis	2. Name and address of receiving party(ies)				
Georgios Sfikas	Name: Braodcom Corporation				
	Internal Address:				
Additional name of conveying party(ies) attached? ☐ Yes ☒ No	Street Address: 16215 Alton Parkway				
3. Nature of conveyance/Execution Date(s):					
Execution Date(s) November 17, 2006	City: Irvis				
_	State: CA				
in a manager	Country: USA Zip: 92618				
☐ Security Agreement ☐ Change of Name					
☐ Joint Research Agreement	Additional name(s) & address(es) attached? ☐ Yes ☒ No				
Government Interest Assignment					
Executive Order 9424, Confirmatory License					
Other					
4. Application number(s) or patent number(s):	This document is being filed together with a new application.				
A. Patent Application No.(s)	B. Patent No.(s)				
11/561,093					
Additional numbers atta	Pheni? □ Voe ☑ No				
Additional numbers attached? ☐ Yes ⊠ No					
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1				
Name: McAndrews, Held & Malloy	7. Test (4.7.050 + 0.4/1) 5.0.44				
Internal Address:	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00				
	☐ Authorized to be charged by credit card				
Street Address: 500 West Madison Street	Authorized to be charged to deposit account				
34 <sup>th</sup> Floor	☐ Enclosed				
City: Chicago	☐ None required (government interest not affecting title)				
State: IL Zip: Zip: _60661					
Phone Number: (312) 775-8000	8. Payment Information				
Fax Number: _(312) //5-8100	a. Credit Card Last 4 Numbers Expiration Date				
Email Address: mhmpto@mhmlaw.com	b. Deposit Account Number 13-0017				
	7 Authorized User Name McAndrews Held & Malloy, Ltd.				
9. Signature:					
	<u> </u>				
Ognyan I. Beremski Reg. No. 51,458  Total number of pages					
ncluding cover	Total number of pages				
Name of Person Signing	sheet, attachments, and documents				

Documents to be recorded (including cover sheet) should be faxed to (571)273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.D. Box 1450, Alexandria, V.A. 22313.1450

**PATENT** 

700304901 **REEL: 018741 FRAME: 0713** 

## ASSIGNMENT

File No.: 17841US01 Serial No.: 11/561,093

Inventors: Emmanouil Frantzeskakis Filing Date: November 17, 2006

Georgios Sfikas

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, each of the undersigned hereby assigns to Broadcom Corporation, incorporated under the laws of the state of California, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled: "METHOD AND SYSTEM FOR DIRECT AND POLAR MODULATION USING A TWO INPUT PLL" and identified as File No. 17841US01, in the offices of McANDREWS, HELD & MALLOY, LTD., and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, re-examination, reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

Each of the undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

Each of the undersigned warrants himself/herself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations, each of the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, re-examination, extension, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, re-examination, or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations each of the undersigned authorizes said assignce to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving

PATENT REEL: 018741 FRAME: 0714 Assignment for Attorney Docket No. 17841US01

and producing evidence and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Assignment for Attorney Docket No. 17841US01

2006

Emmanouil Frantzeskakis

Assignment for Attorney Docket No. 17841US01

WITNESS my hand this 17th day of November , 2006.

Georgios Sfikas