

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hajee Mohammed Shuaeb Fazeel</td> <td>08/24/2011</td> </tr> <tr> <td>Amir Amirkhany</td> <td>07/14/2011</td> </tr> <tr> <td>Gundlapalli Shanmukha Srinivas</td> <td>07/19/2011</td> </tr> <tr> <td>Chaofeng Huang</td> <td>07/14/2011</td> </tr> </tbody> </table>		Name	Execution Date	Hajee Mohammed Shuaeb Fazeel	08/24/2011	Amir Amirkhany	07/14/2011	Gundlapalli Shanmukha Srinivas	07/19/2011	Chaofeng Huang	07/14/2011
Name	Execution Date										
Hajee Mohammed Shuaeb Fazeel	08/24/2011										
Amir Amirkhany	07/14/2011										
Gundlapalli Shanmukha Srinivas	07/19/2011										
Chaofeng Huang	07/14/2011										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Rambus Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1050 Enterprise Way, Suite 700</td> </tr> <tr> <td>City:</td> <td>Sunnyvale</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94089</td> </tr> </table>		Name:	Rambus Inc.	Street Address:	1050 Enterprise Way, Suite 700	City:	Sunnyvale	State/Country:	CALIFORNIA	Postal Code:	94089
Name:	Rambus Inc.										
Street Address:	1050 Enterprise Way, Suite 700										
City:	Sunnyvale										
State/Country:	CALIFORNIA										
Postal Code:	94089										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13349226</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13349226						
Property Type	Number										
Application Number:	13349226										
CORRESPONDENCE DATA											
<p>Fax Number: (925)621-2119          Phone: 925-621-2113          Email: art@siliconedgelaw.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: SILICON EDGE LAW GROUP, LLP          Address Line 1: 6601 KOLL CENTER PARKWAY          Address Line 2: SUITE 245          Address Line 4: PLEASANTON, CALIFORNIA 94566</p>											
ATTORNEY DOCKET NUMBER:	RA966.P.US										
NAME OF SUBMITTER:	Arthur J. Behiel										

OP \$40.00 13349226

**Total Attachments: 9**

source=RA966PUS\_Assignment#page1.tif

source=RA966PUS\_Assignment#page2.tif

source=RA966PUS\_Assignment#page3.tif

source=RA966PUS\_Assignment#page4.tif

source=RA966PUS\_Assignment#page5.tif

source=RA966PUS\_Assignment#page6.tif

source=RA966PUS\_Assignment#page7.tif

source=RA966PUS\_Assignment#page8.tif

source=RA966PUS\_Assignment#page9.tif

**PATENT**

**REEL: 027524 FRAME: 0954**

# ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Hajee Mohammed Shuaeb Fazeel, Amir Amirkhany, Gundlapalli Shanmukha Srinivas and Chaofeng Huang, having a post office address of 1050 Enterprise Way, Suite 700, Sunnyvale, California 94089; (herein referred to as ASSIGNORS), are the sole inventors of the invention described and claimed in the specification forming part of the United States provisional patent application entitled "Methods and Circuits for Calibrating Multi-Modal Termination Schemes," filed January 25, 2011, and assigned serial number 61/436,124;

WHEREAS, Rambus Inc. (hereafter referred to as ASSIGNEE), a Delaware corporation with an office located at: 1050 Enterprise Way, Suite 700, Sunnyvale, California 94089, is desirous of acquiring the entire right, title, and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protection title to said invention or letters patent thereof.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

H. Md. Shuaeb Fazeel  
Inventor's Signature

Hajee Mohammed Shuaeb Fazeel  
Inventor's Printed Name

08/24/2011  
Date

STATE OF )  
 ) SS  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally came the above named Hajee Mohammed Shuaeb Fazeel, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

\_\_\_\_\_  
Inventor's Signature

Amir Amirkhany  
Inventor's Printed Name

\_\_\_\_\_  
Date

STATE OF CALIFORNIA

)  
) SS  
)

COUNTY OF

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally came the above named Amir Amirkhany, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

\_\_\_\_\_  
Inventor's Signature

Gundlapalli Shanmukha Srinivas  
Inventor's Printed Name

\_\_\_\_\_  
Date

STATE OF CALIFORNIA

)  
) SS  
)

COUNTY OF

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally came the above named Gundlapalli Shanmukha Srinivas, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

\_\_\_\_\_  
Inventor's Signature

Chaofeng Huang  
Inventor's Printed Name

Date

STATE OF CALIFORNIA

)

) SS

COUNTY OF

)

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally came the above named Chaofeng Huang, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:



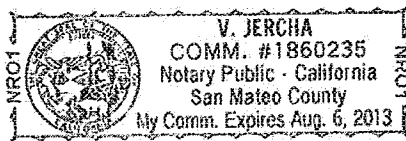
[Signature]  
Inventor's Signature

Amir Amirkhany  
Inventor's Printed Name

07/14/11  
Date

STATE OF CALIFORNIA )  
COUNTY OF Santa Clara ) SS  
)

On this 14th day of July, 2011, before me personally came the above named Amir Amirkhany, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.



V. Jercha  
NOTARY PUBLIC

My Commission Expires: Aug 6, 2013

\_\_\_\_\_  
Inventor's Signature

Gundlapalli Shanmukha Srinivas  
Inventor's Printed Name      Date

STATE OF )  
COUNTY OF ) SS  
)

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally came the above named Gundlapalli Shanmukha Srinivas, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

Chaofeng Huang  
Inventor's Signature

Chaofeng Huang  
Inventor's Printed Name

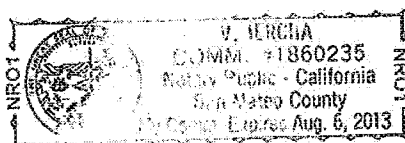
7/14/2011  
Date

STATE OF CALIFORNIA

COUNTY OF Santa Clara

)  
) SS  
)

On this 14th day of July, 2011, before me personally came the above named Chaofeng Huang, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.



V. Bercha  
NOTARY PUBLIC

My Commission Expires: Aug 6, 2013



# ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Hajee Mohammed Shuaeb Fazeel, Amir Amirkhany, Gundlapalli Shanmukha Srinivas and Chaofeng Huang, having a post office address of 1050 Enterprise Way, Suite 700, Sunnyvale, California 94089; (herein referred to as ASSIGNORS), are the sole inventors of the invention described and claimed in the specification forming part of the United States provisional patent application entitled "Methods and Circuits for Calibrating Multi-Modal Termination Schemes," filed January 25, 2011, and assigned serial number 61/436,124;

WHEREAS, Rambus Inc. (hereafter referred to as ASSIGNEE), a Delaware corporation with an office located at: 1050 Enterprise Way, Suite 700, Sunnyvale, California 94089, is desirous of acquiring the entire right, title, and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors an assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protection title to said invention or letters patent thereof.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

	<u>Hajee Mohammed Shuaeb Fazeel</u>	
Inventor's Signature	Inventor's Printed Name	Date

STATE OF \_\_\_\_\_ )  
) SS  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally came the above named Hajee Mohammed Shuaeb Fazeel, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

\_\_\_\_\_  
Inventor's Signature

Amir Amirkhany  
Inventor's Printed Name

\_\_\_\_\_  
Date

STATE OF CALIFORNIA )  
 ) SS  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally came the above named Amir Amirkhany, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

G. Shanmukha Srinivas  
Inventor's Signature

Gundlapalli Shanmukha Srinivas  
Inventor's Printed Name

13/07/2011  
Date

STATE OF )  
 ) SS  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally came the above named Gundlapalli Shanmukha Srinivas, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

\_\_\_\_\_  
Inventor's Signature

Chaofeng Huang  
Inventor's Printed Name

\_\_\_\_\_  
Date

STATE OF CALIFORNIA

)  
) SS  
)

COUNTY OF

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally came the above named Chaofeng Huang, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_