

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the The assignment was filed to the incorrect serial number (12/064,041). The correct serial number is 13/316,046. previously recorded on Reel 027901 Frame 0200. Assignor(s) hereby confirms the Assignment is correctly executed..										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kyung Suk Oh</td> <td>02/22/2012</td> </tr> <tr> <td>Woopoung Kim</td> <td>02/29/2012</td> </tr> <tr> <td>Huy M. Nguyen</td> <td>02/22/2012</td> </tr> <tr> <td>Eugene C. Ho</td> <td>02/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kyung Suk Oh	02/22/2012	Woopoung Kim	02/29/2012	Huy M. Nguyen	02/22/2012	Eugene C. Ho	02/23/2012
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<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
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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>13316046</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13316046						
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CORRESPONDENCE DATA											
<p>Fax Number: (925)621-2119</p> <p>Phone: 9256212113</p> <p>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: Arthur J. Behiel</p> <p>Address Line 1: 6601 Koll Center Parkway, Suite 245</p> <p>Address Line 4: Pleasanton, CALIFORNIA 94566</p>											
ATTORNEY DOCKET NUMBER:	R-RA0644.C1C1.US										

501864774

PATENT
 REEL: 027920 FRAME: 0420

OP \$40.00 13316046

NAME OF SUBMITTER:

Arthur J. Behiel

Total Attachments: 12

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PATENT ASSIGNMENT

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Fax Number:	(925)621-2119
Phone:	925-621-2113
Email:	Art@SiliconEdgeLaw.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Arthur J. Behiel
Address Line 1:	6601 Koll Center Parkway, Suite 245
Address Line 4:	Pleasanton, CALIFORNIA 94566
ATTORNEY DOCKET NUMBER:	R-RA0644.C1C1.US
NAME OF SUBMITTER:	Arthur J. Behiel
Signature:	/Arthur J. Behiel/
Date:	03/21/2012
Total Attachments: 8 source=R_RA0644C1C1US_Executed_Assignment_All_Inventors#page1.tif source=R_RA0644C1C1US_Executed_Assignment_All_Inventors#page2.tif source=R_RA0644C1C1US_Executed_Assignment_All_Inventors#page3.tif source=R_RA0644C1C1US_Executed_Assignment_All_Inventors#page4.tif source=R_RA0644C1C1US_Executed_Assignment_All_Inventors#page5.tif source=R_RA0644C1C1US_Executed_Assignment_All_Inventors#page6.tif source=R_RA0644C1C1US_Executed_Assignment_All_Inventors#page7.tif source=R_RA0644C1C1US_Executed_Assignment_All_Inventors#page8.tif	
RECEIPT INFORMATION	
EPAS ID:	PAT1895042
Receipt Date:	03/21/2012
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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and pursuant to an obligation to Rambus Inc. and/or its affiliates to assign intellectual property, and pursuant to any other applicable agreements among Rambus Inc. and its affiliates, the person(s)

Kyung Suk Oh, of Cupertino, California
Woopoung Kim, of San Diego, California
Huy M. Nguyen, of San Jose, California
Eugene C. Ho, of Saratoga, California

(hereinafter referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and/or does hereby sell, assign, and transfer to **Rambus Inc., a Delaware corporation**, having a place of business at **1050 Enterprise Way, Suite 700, Sunnyvale CA 94089** ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following non-provisional application filed under 35 U.S.C. § 111(a) ("APPLICATION") entitled "**Signal Lines with Internal and External Termination**", having:

 X United States Patent Application No. **13/316,046**, filed on **December 9, 2011**;
 which claims priority to U.S. Provisional Patent Application No. **61/099,646** filed on **September 24, 2008**; which claims priority to U.S. Patent Application No. **12/555,886** filed on **September 9, 2009** which claims priority to U.S. Patent Application No. **13/022,539** filed on **February 7, 2011**
 Application number (_____), filed (_____),
Inserted by (_____) on (_____) [Where INVENTOR hereby authorizes and requests ASSIGNEE or its agents to insert here in each parentheses the application number and filing date when known, along with the signature and date of the person completing this section].

2. The entire worldwide right, title, and interest in and to: (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, utility model, design, divisional, continuation, continued prosecution, continuation-in-part, substitute, renewal, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world related to the SUBJECT MATTER; (d) all patents (including reissues, re-examinations, and extensions) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

As part of this Assignment, INVENTOR further agrees to do the following, when requested, and without further consideration: (1) execute all oaths, declarations, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and

Interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

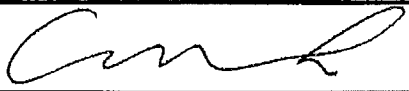
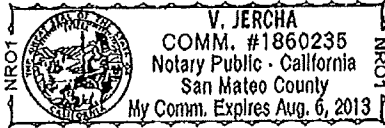
INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The terms and covenants of this Assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding upon INVENTOR, and INVENTOR's respective heirs, legal representatives and assigns.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Each Inventor: Please Sign and Date Below:

		<u>2/22/2012</u>
Inventor Name: Kyung Suk Oh		Date
State of California)		
County of Santa Clara)		
On <u>22 Feb 2012</u> before me, <u>V. Jercha</u> , Notary Public,		
personally appeared Kyung Suk Oh, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.		
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.		
WITNESS my hand and official seal.		
Signature: <u>V. Jercha</u>	(Seal)	

Inventor Name: Woopoung Kim		Date _____
State of _____)		
County of _____)		
On _____ before me, _____, Notary Public,		
personally appeared Woopoung Kim , who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.		
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WITNESS my hand and official seal.		
Signature: _____		(Seal)

Huy M. Nguyen 2/22/2012
Inventor Name: Huy M. Nguyen Date

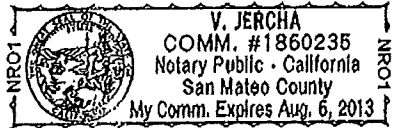
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WITNESS my hand and official seal.

Signature: V. Jercha (Seal)



Eugene C. Ho 2/23/2012
Inventor Name: Eugene C. Ho Date

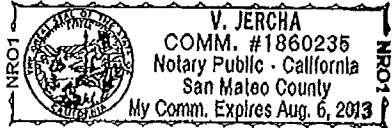
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Kyung Suk Oh, of Cupertino, California
Woopoung Kim, of San Diego, California
Huy M. Nguyen, of San Jose, California
Eugene C. Ho, of Saratoga, California

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Inventor Name: Kyung Suk Oh		Date
State of California)	
County of Santa Clara)	
On _____ before me, _____, Notary Public,		
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I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.		
WITNESS my hand and official seal.		
Signature: _____		(Seal)

	02/29/2012
Inventor Name: Woopoung Kim	Date
State of _____)	
County of _____)	
On _____ before me, _____, Notary Public,	
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