

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3782681

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRIAN LEIBOWITZ	04/23/2010
JAEHA KIM	04/25/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Rambus Inc.
<b>Street Address:</b>	1050 Enterprise Way, Suite 700
<b>City:</b>	Sunnyvale
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94089
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14938163
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	408-462-8000
<b>Email:</b>	twain@rambus.com
<b>Correspondent Name:</b>	TARISA WAIN
<b>Address Line 1:</b>	1050 ENTERPRISE WAY #700
<b>Address Line 4:</b>	SUNNYVALE, CALIFORNIA 94089
<b>ATTORNEY DOCKET NUMBER:</b>	RA750.PCT.C1.US
<b>NAME OF SUBMITTER:</b>	TARISA WAIN
<b>SIGNATURE:</b>	/Tarisa Wain/
<b>DATE SIGNED:</b>	03/14/2016
<b>Total Attachments: 4</b>	
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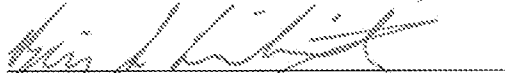
# ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, having a post office address that follows our name: Brian Leibowitz, 425 14<sup>th</sup> Street, Apartment #4, San Francisco, California 94103; and Jaeha Kim, Riversuite Apartment #103-301, 20 Sachon 7-gil, Yongsan-gu, Seoul, Korea 140-720; (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 "Decision Feedback Equalizer," filed February 23, 2010, and assigned serial number 61/307,190;

WHEREAS, Rambus Inc. (hereafter referred to as ASSIGNEE), a Delaware corporation with an office located at: 4440 El Camino Real, Los Altos, CA 94022, 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.

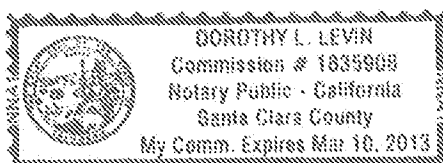
  
Inventor's Signature

Brian Leibowitz  
Inventor's Printed Name

4/23/2010  
Date

STATE OF CALIFORNIA )  
 ) SS  
COUNTY OF Santa Clara )

On this 23<sup>rd</sup> day of April, 2010, before me personally came the above named Brian Leibowitz, 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: MAR. 10, 2013

Inventor's Signature

Inventor's Printed Name

Date \_\_\_\_\_

STATE OF CALIFORNIA

On this \_\_\_\_\_ day of \_\_\_\_\_, 2010, before me personally came the above named Jaeha Kim, 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: \_\_\_\_\_

**Box No. VIII (iv) DECLARATION: INVENTORSHIP** (only for the purposes of the designation of the United States of America)  
*The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.*

**Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))  
 for the purposes of the designation of the United States of America:**

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/ pending ..... (if furnishing declaration pursuant to Rule 26(er)).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

Prior Applications: 61/307,190 -- United State -- 23 February 2010 .....

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.

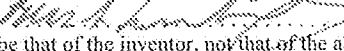
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Brian Leibowitz .....

Residence: San Francisco, CA .....  
 (city and either US state, if applicable, or country)

Mailing Address: 425 14th Street, Apartment #4, San Francisco, California 94103 .....

Citizenship: United States .....

Inventor's Signature:  Date: 4/23/2010 .....  
 (The signature must be that of the inventor, not that of the agent)

Name: Jaeha Kim .....

Residence: Seoul, Korea .....  
 (city and either US state, if applicable, or country)

Mailing Address: Riversuite Apartment #103-301, 20 Sachon 7-gil, Yongsan-gu, Seoul, Korea 140-720 .....

Citizenship: United States and Korea .....

Inventor's Signature: ..... Date: .....  
 (The signature must be that of the inventor, not that of the agent)

☐ This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

**Box No. VIII (iv) DECLARATION: INVENTORSHIP** (only for the purposes of the designation of the United States of America)  
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I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/..... (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

Prior Applications: 61/307,190 -- United State -- 23 February, 2010 .....

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Name: Brian Leibowitz .....

Residence: San Francisco, CA  
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Mailing Address: 425 14th Street, Apartment #4, San Francisco, California 94103 .....

Citizenship: United States .....

Inventor's Signature: .....  
 (The signature must be that of the inventor, not that of the agent)

Date: .....

Name: Jaeha Kim .....

Residence: Seoul, Korea  
 (city and either US state, if applicable, or country)

Mailing Address: Riversuite Apartment #103-301, 20 Sachon 7-gil, Yongsan-gu, Seoul, Korea 140-720 .....

Citizenship: United States and Korea JK .....

Inventor's Signature: *Jaeha Kim*  
 (The signature must be that of the inventor, not that of the agent)

Date: 4/25/2010 .....

☐ This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".