

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2988100

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BRIAN LEIBOWITZ	01/05/2010
HAE-CHANG LEE	01/28/2010
FARSHID ARYANFAR	01/28/2010
KUN-YUNG CHANG	01/05/2010
JIE SHEN	01/05/2010
RECEIVING PARTY DATA	
Name:	Rambus Inc.
Street Address:	1050 Enterprise Way, Suite 700
City:	Sunnyvale
State/Country:	CALIFORNIA
Postal Code:	94089
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14452187
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	408-462-8000
Email:	twain@rambus.com
Correspondent Name:	TARISA WAIN
Address Line 1:	1050 ENTERPRISE WAY #700
Address Line 4:	SUNNYVALE, CALIFORNIA 94089
ATTORNEY DOCKET NUMBER:	RA724.PCT.D1.US
NAME OF SUBMITTER:	TARISA WAIN
SIGNATURE:	/Tarisa Wain/
DATE SIGNED:	08/19/2014
Total Attachments: 7	
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source=RA724.PROV1.US Assignment#page7.tif

ASSIGNMENT OF PROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, **Brian Leibowitz**, of 425 14th Street #4, San Francisco, CA 94103; **Hae-Chang Lee**, of 971 Seena Ave., Los Altos, CA 94024; **Farshid Aryanfar**, of 1000 Escalon Ave., Apt. #1057, Sunnyvale, CA 94085; **Kun-Yung Chang**, of 296 Ramon Drive, Los Altos, CA 94024; and **Jie Shen**, 43485 Bryant Street, Fremont, CA 94539; hereinafter referred to as "Assignors," are the inventors of any and all new and useful improvements described and set forth in the below-identified United States provisional patent application (hereinafter referred to as "Said Patent Application"):

Title of Provisional Patent Application: Techniques for Phase Detection

Filing Date: November 12, 2009

Application No.: 61/260,797

WHEREAS, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Assignors, Assignors hereby sell, assign, and transfer to **Rambus Inc.**, a Corporation of Delaware, having a principal place of business at 4440 El Camino Real, Los Altos, CA 94022, USA, (hereinafter referred to as "Assignee"), the entire right, title and interest in and to Said Patent Application, any and all improvements that are disclosed in Said Patent Application, and all foreign counterparts to Said Patent Application (including patent, utility model and industrial designs). The Assignors further sell, transfer, and assign to Assignee the entire right, title, and interest in any and all non-provisional applications, international applications, foreign applications, continuation applications, divisional applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, registrations, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of Said Patent Application; and to the right to file foreign applications directly in the name of Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

The Assignors further agree that the Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the Assignors will execute all non-provisional applications, international applications, foreign applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all of said improvements; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the Assignors relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee.

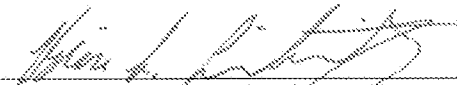
The Assignors covenant with the Assignee, its successors, and assigns that no assignment, grant, mortgage, license, lien, or other agreement affecting the rights and property herein conveyed has been made to others by the Assignors, and that full right to convey the same as herein expressed is possessed by the Assignors.

Assignment
Attorney Docket No.: RA724.1

The Assignors hereby authorize and request the Officials of the United States Patent and Trademark Office and any and all foreign Patent Offices to issue any and all Letters Patents, when granted, to said Assignee as the assignee of the entire right, title, and interest in and to the same, for the sole use of said Assignee, its successors, and assigns, to the full end of the term for which said Letters Patents may be granted.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

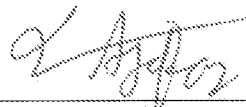
Dated: 1/5/2010


Brian Leibowitz

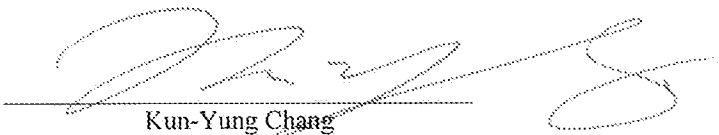
Dated: _____

Hae-Chang Lee

Dated: 01/28/2010


Farshid Aryanfar

Dated: 1/5/2010


Kun-Yung Chang

Dated: 1/5/2010


Jie Shen

Assignment
Attorney Docket No.: RA724.1

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Assignors hereby authorize and request The Law Office of Steven J. Cahill to insert herein above the application number, the dates of execution of declaration, and the filing date of Said Patent Application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: _____

Brian Leibowitz

Dated: 1/28/10



Hae-Chang Lee

Dated: _____

Farshid Aryanfar

Dated: _____

Kun-Yung Chang

Dated: _____

Jie Shen

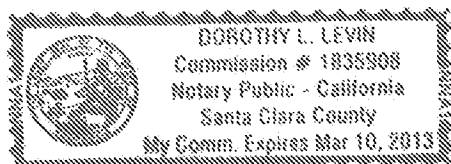
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara

On JAN 5, 2010 before me, Dorothy L. Levin, Notary Public

personally appeared Beim Leibowitz



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 [Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

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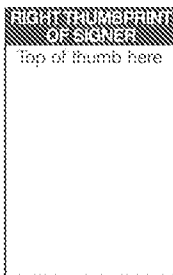
Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
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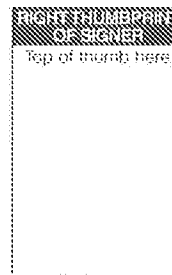
Signer Is Representing: _____



Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of SANTA CLARA

On JAN. 28, 2000

Date

before me,

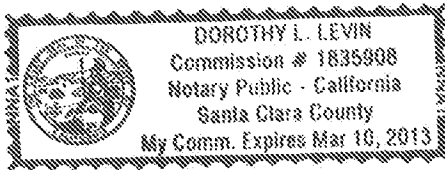
Dorothy L. Levin, Notary Public

Here Insert Name and Title of the Officer

personally appeared

Fredrick Meyer

Name(s) of Signer(s)



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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

[Signature]

Signature of Notary Public

Place Notary Seal Above

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Signer's Name: _____

☐ Individual

☐ Corporate Officer — Title(s): _____

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____

Signer's Name: _____

☐ Individual

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☐ Partner — ☐ Limited ☐ General

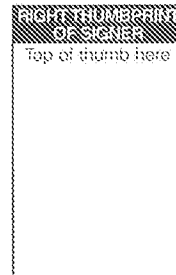
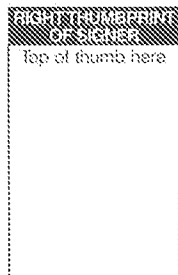
☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____



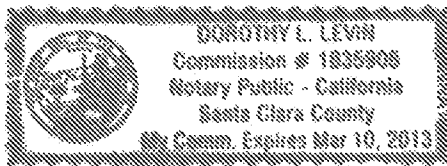
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara

On JAN 5, 2010 before me, Dorothy L. Levin, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Kua-Yung Chang
Name(s) of Signer(s)



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 [Signature]
Signature of Notary Public

Place Notary Seal Above

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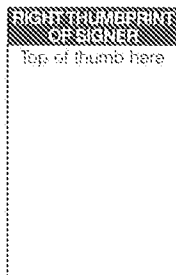
Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
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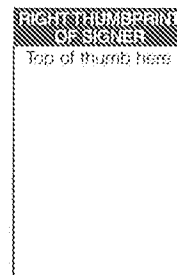
Signer Is Representing: _____



Signer's Name: _____

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Signer Is Representing: _____



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State of California

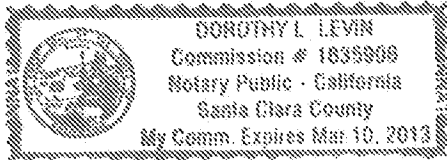
County of Santa Clara

On JAN 5 2010 before me, Dorothy L. Levin, Notary Public

personally appeared Jie Shen

Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

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[Signature]
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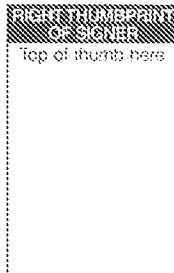
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☐ Other: _____

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☐ Other: _____

Signer Is Representing: _____

