

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2574239

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>LEI LUO</td> <td>10/23/2007</td> </tr> <tr> <td>FREDERICK A. WARE</td> <td>12/18/2007</td> </tr> <tr> <td>JOHN WILSON</td> <td>10/23/2007</td> </tr> <tr> <td>JADE M. KIZER</td> <td>10/23/2007</td> </tr> </tbody> </table>		Name	Execution Date	LEI LUO	10/23/2007	FREDERICK A. WARE	12/18/2007	JOHN WILSON	10/23/2007	JADE M. KIZER	10/23/2007
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FREDERICK A. WARE	12/18/2007										
JOHN WILSON	10/23/2007										
JADE M. KIZER	10/23/2007										
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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12210104</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12210104						
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Application Number:	12210104										
CORRESPONDENCE DATA											
Fax Number:	(650)938-5200										
Phone:	650-335-7164										
Email:	jsong@fenwick.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	JAE WON SONG										
Address Line 1:	801 CALIFORNIA STREET										
Address Line 2:	FENWICK & WEST LLP										
Address Line 4:	MOUNTAIN VIEW, CALIFORNIA 94041										
ATTORNEY DOCKET NUMBER:	28178-21580										
NAME OF SUBMITTER:	JAE WON SONG, REG. NO. 59,070										

Signature:	/Jae Won Song/
Date:	10/10/2013
Total Attachments: 8 source=21580_US_Executed Assignment#page1.tif source=21580_US_Executed Assignment#page2.tif source=21580_US_Executed Assignment#page3.tif source=21580_US_Executed Assignment#page4.tif source=21580_US_Executed Assignment#page5.tif source=21580_US_Executed Assignment#page6.tif source=21580_US_Executed Assignment#page7.tif source=21580_US_Executed Assignment#page8.tif	

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Lei Luo, 1048 Bellenden Drive, Durham, NC 27713
Frederick A. Ware, 13961 Fremont Pines, Los Altos Hills, CA 94022
John Wilson, 7620 Elliott Drive, Raleigh, NC 27613
Jade M. Kizer, 4306 Thetford Road, Durham, NC 27707

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

UTILIZING MASKED DATA BITS DURING ACCESSES TO A MEMORY

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

_____ On the _____ day of _____, 20____;

Or

Said application having Application Number 60/975,703 and filed on 27 September 2007; and

WHEREAS, Rambus, Inc. a corporation of the State of Delaware, having a place of business at 4440 El Camino Real, Los Altos, CA 94022, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventor(s) hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting

applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

4. Said Inventor(s) hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

Lei Luo
Lei Luo

Oct. 23, 2007
Date

State of North Carolina

County of Orange

On 10/23/07, before me, Cheryl H. Duff,
personally appeared Lei Luo,

personally known to me or 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.

WITNESS my hand and official seal.

Cheryl H. Duff
(Notary Public)



Cheryl H. Duff
NOTARY PUBLIC
ORANGE COUNTY, NC
My Commission Expires

01/27/2010

State of _____)
County of _____)

Frederick A. Ware

On _____, before me, _____,
personally appeared Frederick A. Ware,

personally known to me or _____ 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.

Date

WITNESS my hand and official seal.

(Notary Public)

Cheryl L. Duff
Notary Public
ORANGE COUNTY, NC
My Commission Expires



01/27/2010

State of North Carolina

County of Orange

John Wilson
John Wilson

On 10/23/07 before me, Cheryl L. Duff,
personally appeared John Wilson,

personally known to me or _____ proved to me on the basis of
satisfactory evidence, to be the person whose name is subscribed
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his/her signature on the instrument the person or the entity upon
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10-23-07
Date

WITNESS my hand and official seal.

Cheryl L. Duff
(Notary Public)

Cheryl L. Duff
Notary Public
Orange County, NC
My Commission Expires

01/27/2010



State of North Carolina

County of Orange

Jade M. Kizer
Jade M. Kizer

On 10/23/07 before me, Cheryl L. Duff,
personally appeared Jade M. Kizer,

23/10/2007
Date

personally known to me or 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
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applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

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4. Said Inventor(s) hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

State of _____)
County of _____)

Lei Luo

On _____, before me, _____,
personally appeared Lei Luo,

personally known to me or 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.

Date

WITNESS my hand and official seal.

(Notary Public)

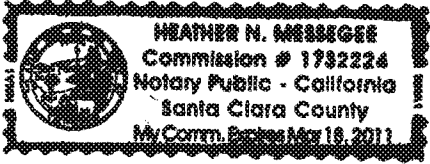
[Handwritten Signature]
Frederick A. Ware

State of CALIFORNIA)
)
County of SANTA CLARA)

On 12/18/2007, before me, HEATHER N. MESSEGBEE,^{NOTARILY PUBLIC}
personally appeared Frederick A. Ware,

12/18/2007
Date

x personally known to me or 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.



WITNESS my hand and official seal.

[Handwritten Signature]
(Notary Public)

State of)
)
County of)

John Wilson

On _____, before me, _____,
personally appeared John Wilson,

Date

personally known to me or 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.

WITNESS my hand and official seal.

(Notary Public)

State of _____)
County of _____)

Jade M. Kizer

On _____, before me, _____,
personally appeared Jade M. Kizer,

personally known to me or 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
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Date

WITNESS my hand and official seal.

(Notary Public)