

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3052302

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS VOGELSANG	01/27/2010
GARY B. BRONNER	01/28/2010
<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>	14506507
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)877-3828
<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>	4086556375
<b>Email:</b>	marc@schuylerlawgroup.com
<b>Correspondent Name:</b>	MARC SCHUYLER
<b>Address Line 1:</b>	PO BOX 2535
<b>Address Line 4:</b>	SARATOGA, CALIFORNIA 95070
<b>ATTORNEY DOCKET NUMBER:</b>	2014067 / RA723PCTC1US
<b>NAME OF SUBMITTER:</b>	MARC P. SCHUYLER, REG. NO. 35675
<b>SIGNATURE:</b>	/Marc P. Schuyler/
<b>DATE SIGNED:</b>	10/03/2014
<b>Total Attachments: 3</b>	
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## CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Thomas Vogelsang  
Gary B. Bronner

1320 B Montecito Avenue, Mountain View, CA 94043  
410 San Domingo Way, Los Altos, CA 94022

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

*DRAM SENSE AMPLIFIER THAT SUPPORTS A LOW MEMORY-CELL CAPACITANCE*

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

X Said application having Application Number 61/266,748 and filed on 04 December 2009; 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.

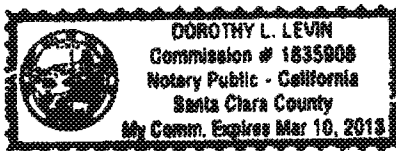
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

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.

Thomas Vogelsang  
Thomas Vogelsang

1/27/10  
Date



State of California )  
County of Santa Clara )

On Jan 27, 2010, before me, Dorothy L. Levin, Notary Public, personally appeared Thomas Vogelsang, 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.

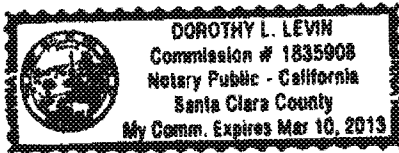
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Dorothy L. Levin  
(Signature of Notary Public)

Gary B. Bronner  
Gary B. Bronner

1-28-10  
Date



State of California )  
County of Santa Clara )

On Jan 28, 2010, before me, Dorothy L. Levin Notary Public, personally appeared Gary B. Bronner, 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.

Dorothy L. Levin  
(Signature of Notary Public)

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

\_\_\_\_\_  
Date

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared \_\_\_\_\_, 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 of Notary Public)