Form PTO-1595 (Rev. 09/04) OMB No. 0651-0027 (exp. 6/30/2005)



U.S. DEPARTMENT OF COMMERCE nited States Patent and Trademark Office

REC(103041718 To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. Name of conveying party(ies)/Execution Date(s): 2. Name and address of receiving party(ies) Huy M. Nguyen Name: Rambus Inc. Vijay Gadde Sivakumar Doraiswamy Internal Address: Execution Date(s) July 5, 2005 Street Address: 4440 El Camino Real 3. Nature of conveyance: ✓ Assignment Merger City: Los Altos J Security Agreement Change of Name State: California Government Interest Assignment Country: USA Zip: 94022 Executive Order 9424, Confirmatory License Additional name(s) & address(es) attached? ☐ Yes No 4. Application or patent number(s): ✓ This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) Application entitled, "Driver Calibration Methods and Circuits" Additional numbers attached? Yes No 5. Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: Name: Silicon Edge Law Group LLP 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Internal Address: Arthur J. Behiel, Patent Atty. Authorized to be charged by credit card Authorized to be charged to deposit account ✓ Enclosed Street Address: 6601 Koll Center Parkway None required (government interest not affecting title) Suite 245 8. Payment Information City: Pleasanton a. Credit Card Last 4 Numbers ____ Zip: 94566 State: California Expiration Date _____ Phone Number: 925-621-2113 b. Deposit Account Number _____ Fax Number: 925-621-2114 Authorized User Name ___ Email Address: Art@SiliconEdgeLaw.com 9. Signature: July 6, 2005 Signature Total number of pages including cover Arthur J. Behiel sheet, attachments, and documents: Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450 07/12/2005 CNGUYEN2 00000035 11176876

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PATENT REEL: 016771 FRAME: 0382

Docket Number: RA439.P.US Express Mail No.: ER 898234914 US

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, having a post office address that follows our name: Huy M. Nguyen, 5102 Durban Court, San Jose, CA 95138; and Vijay Gadde, 7519 Barnhart Place, Cupertino, CA 95014; and Sivakumar Doraiswamy, 721 Hibiscus Place, San Jose, CA 95117; (herein referred to as ASSIGNORS), are the sole inventors of the invention described and claimed in the specification forming part of the United States patent application entitled "Driver Calibration Methods and Circuits," filed herewith;

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.

Alley Dym Inventor's Signature	Huy M. Nguyen Inventor's Printed Name	7/05/2005 Date
STATE OF CALIFORNIA)) SS	
On this day of	, and who acknowledged to me mad	ory evidence to be the same
ANN C. WILLIAMS Commission # 1419400 Notary Public - California Santa Clara County	NOTARY PUBLIC My Commission Exp	oires: nAy 20, 2007

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PATENT REEL: 016771 FRAME: 0383

Docket Number: RA439.P.US Express Mail No.: ER 898234914 US

Inventor's Signature	Vijay Gadde Inventor's Printed Name	07/05/05 Date
STATE OF CALIFORNIA COUNTY OF SANTA CLARA)) SS)	
On this day of Gadde, who is personally known by me or prover individual who executed the foregoing assignment, his/her own free will for the use and purposes therein ANN C. WILLAMS Commission # 1419400 Notary Public - California & Santa Clara County My Comm. Expires May 20, 2007	and who acknowledged to me that I in set forth. NOPARY PUBLIC	y evidence to be the same
Inventor's Signature	Sivakumar Doraiswamy Inventor's Printed Name	$\frac{7/5/2005}{\text{Date}}$
STATE OF CALIFORNIA COUNTY OF SANTA CLARA)) SS)	
On this day of	by me or proved to me on the basis assignment, and who acknowledged poses therein set forth. NOTARY PUBLIC	ally came the above named sof satisfactory evidence to I to me that he/she executed Milliand Tes: MAY 20, 2007

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RECORDED: 07/06/2005