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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

11-30-05

1. Name of conveying party(ies)
Ian Shaeffer
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Rambus Inc.
Internal Address: _____

112975 U.S. PTO
11/29/2407



3. Nature of conveyance/Execution Date(s):
Execution Date(s) November 28, 2005
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

Street Address: 4440 El Camino Real
City: Los Altos
State: California
Country: USA Zip: 94022
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)
Patent entitled, "Variable-Width Memory Module with Fixed-Width Memory Die"
12/06/2005 SHASSEN1 00000045 11292407
01 FC:8021 40.00 OP

B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Silicon Edge Law Group LLP
Internal Address: Arthur J. Behiel, Patent Attorney
Street Address: 6601 Koll Center Parkway, Suite 245
City: Pleasanton
State: California Zip: 94566
Phone Number: 925-621-2113
Fax Number: 925-621-2114
Email Address: Art@SiliconEdgeLaw.com

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed Check No. 2162
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number _____
Authorized User Name _____

9. Signature: Arthur J. Behiel Signature November 30, 2005 Date
Arthur J. Behiel Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 017324 FRAME: 0138

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I, having a post office address that follows my name: Ian Shaeffer, 552 Chelsea Crossing, San Jose, California 95138: (herein referred to as ASSIGNOR), am the sole inventor of the invention described and claimed in the specification forming part of the United States patent application entitled "Variable-Width Memory Module with Fixed-Width Memory Die," 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, ASSIGNOR hereby sells, assigns, and transfers 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 and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer, and sale not been made. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR agrees 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, I have hereunto signed my name on the day and year set forth below.

[Signature]
Inventor's Signature

Ian Shaeffer
Inventor's Printed Name

11/23/05
Date

STATE OF CALIFORNIA)
) SS
COUNTY OF SANTA CLARA)

On this 28th day of November, 2005, before me personally came the above named Ian Shaeffer, 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 ~~she~~ executed the same of his ~~her~~ own free will for the use and purposes therein set forth.

→ Anne C. Williams, Notary Public

[Signature]
NOTARY PUBLIC

My Commission Expires: MAY 20, 2007

