

10-26-2005  
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10-24-07

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

**1. Name of conveying party(ies)**  
Pradeep Batra  
Rick A. Rutkowski  
Additional name(s) of conveying party(ies) attached?  Yes  No

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

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) 11/9/00 and 11/10/00  
 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)  
11/233,918  
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  
 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  
Date: Oct 20, 2005  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

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01 FC:802

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

1 **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2 Inventorship ..... Batra et al.  
3 Applicant..... Rambus Inc.  
4 Attorney's Docket No. .... RB1-019US  
5 Title: Bus Line Current Calibration

6 **PATENT ASSIGNMENT**

7 **PARTIES TO THE ASSIGNMENT**

8 **Assignor(s):**

9 Pradeep Batra  
10 2080 Fordham Drive  
11 Santa Clara, CA 95051

12 Rick A. Rutkowski  
13 803 Pear Avenue  
14 Sunnyvale, CA 94087

15 **Assignee:**

16 Rambus Inc.  
17 A Corporation in the State of Delaware  
18 2465 Latham Street  
19 Mountain View, CA 94040

20 **AGREEMENT**

21 WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention  
22 entitled "Bus Line Current Calibration," as described and claimed in the  
23 specification forming part of an application for United States letters patent  
24 executed herewith;

25 WHEREAS, Rambus Inc. (hereinafter referred to as ASSIGNEE), a  
corporation of the State of Delaware having a place of business at 2465 Latham  
Street, Mountain View, CA 94040, 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;

1 NOW, THEREFORE, in exchange for good and valuable consideration, the  
2 receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and  
3 transfer unto ASSIGNEE, the entire right, title and interest in and to said  
4 invention, said application and any and all letters patent which may be granted for  
5 said invention in the United States of America and its territorial possessions and in  
6 any and all foreign countries, and in any and all divisions, reissues and  
7 continuations thereof, including the right to file foreign applications directly in the  
8 name of ASSIGNEE and to claim priority rights deriving from said United States  
9 application to which said foreign applications are entitled by virtue of international  
10 convention, treaty or otherwise, said invention, application and all letters patent on  
11 said invention to be held and enjoyed by ASSIGNEE and its successors and  
12 assigns for their use and benefit and of their successors and assigns as fully and  
13 entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this  
14 assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize  
15 and request the Commissioner of Patents and Trademarks to issue all letters patent  
16 on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments  
17 and documents required for the making and prosecution of applications for United  
18 States and foreign letters patent on said invention, for litigation regarding said  
19 letters patent, or for the purpose of protecting title to said invention or letters  
20 patent therefor.

\*\*\*\*\*

1 11/9/00  
2 Date

Pradeep Batra  
Pradeep Batra

3 State of California )  
4 County of Santa Clara ) ss.

5 I certify that I know or have satisfactory evidence that Pradeep Batra is the person  
6 who appeared before me, and said person acknowledged that he or she signed this  
7 instrument and acknowledged it to be his or her free and voluntary act for the uses  
and purposes mentioned in the instrument.

8 Dated November 9, 2000



9 Signature of Michiko Sites  
10 Notary Public

11 My appointment expires Oct. 8, 2003

12 \*\*\*\*\*

13 11-10-00  
14 Date

Rick A. Rutkowski  
Rick A. Rutkowski

15 State of California )  
16 County of Santa Clara ) ss.

17 I certify that I know or have satisfactory evidence that Rick A. Rutkowski is the  
18 person who appeared before me, and said person acknowledged that he or she signed  
this instrument and acknowledged it to be his or her free and voluntary act for the  
uses and purposes mentioned in the instrument.

19 Dated November 10, 2000



20 Signature of Michiko Sites  
21 Notary Public

22 My appointment expires Oct. 8, 2000