

12/19/01

12-26-2001



101924855

To the Honorable Commissioner of P

Remarks: Please record the attached original documents or copy thereof

## 1. Name of Conveying Part(ies):

Craig E. Hampel  
Richard E. Warmke  
Frederick A. WareAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Security Agreement  
☐ Merger ☐ Change of Name  
☐ Other

Execution Date: 10/04/2001; 10/24/2001

## 2. Name and address of receiving party(ies):

Name: Rambus Inc.

Internal Address:

Street Address: 4440 El Camino Real

City: Los Altos State: CA Zip: 94022

Additional names(s) & address(es) attached: ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

## A. Patent Application No.(s):

09/949,464

Additional numbers attached: ☐ Yes ☒ No

## B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Daniel L. Hayes

Internal Address: Lee &amp; Hayes, PLLC

Street Address: 421 W. Riverside Ave  
Suite 500

City: Spokane State: WA Zip: 99201

## 6. Total number of applications and patents involved

1

## 7. Total fee (37 CFR 3.41)

\$40.00☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

12/21/2001 TDIARZ1 00000120 09949464

01 FC:581

40.00 OP

DO NOT USE THIS SPACE

## 9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Daniel L. Hayes

Name of Person Signing #34,618

Signature

Date

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

RRI 05208.453

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

2   Serial No. .... 09/949,464  
3   Filing Date..... 09/07/2001  
4   Inventorship ..... Craig E. Hampel et al.  
5   Applicant..... Rambus Inc.  
6   Attorney's Docket No. .... RB1-032US  
7   Title: Improved Granularity Memory Column Access

8                                   **PATENT ASSIGNMENT**

9                   **PARTIES TO THE ASSIGNMENT**

10                   Assignor(s):

11                   Craig E. Hampel  
12                   5927 Dunn Avenue  
13                   San Jose, CA 95123

14                   Richard E. Warmke  
15                   1245 Magnolia Avenue  
16                   San Jose, CA 95126

17                   Frederick A. Ware  
18                   13961 Fremont Pines Lane  
19                   Los Altos, CA 94022

20                   Assignee:

21                   Rambus Inc.  
22                   A Corporation in the State of Delaware  
23                   4440 El Camino Real  
24                   Los Altos, CA 94022

25                   **AGREEMENT**

                  WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention  
entitled "Improved Granularity Memory Column Access," as described and  
claimed in the specification forming part of an application for United States letters  
patent referenced above;

1 WHEREAS, Rambus Inc. (hereinafter referred to as ASSIGNEE), a  
2 corporation of the State of Delaware having a place of business at 4440 El Camino  
3 Real, Los Altos, CA 94022, is desirous of acquiring the entire right, title and  
4 interest in and to the invention and in and to any letters patent that may be granted  
5 therefor in the United States and in any and all foreign countries;

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

\* \* \* \* \*

10-04-2001

Craig E. Hampel

Date

Craig E. Hampel

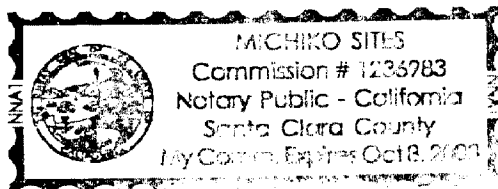
State of California

County of Santa Clara

SS.

I certify that I know or have satisfactory evidence that Craig E. Hampel is the 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.

Dated October 4, 2001



Signature of  
Notary Public

Michiko Sites

My appointment expires

Oct 8, 2003

\* \* \* \* \*

10-24-01

Richard E. Warmke

Date

Richard E. Warmke

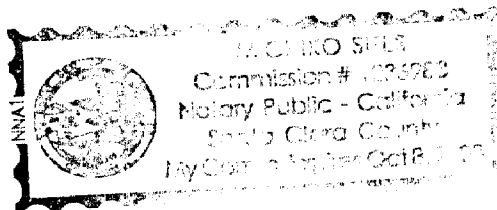
State of California

County of Santa Clara

SS.

I certify that I know or have satisfactory evidence that Richard E. Warmke is the 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.

Dated October 24, 2001



Signature of  
Notary Public

Michiko Sites

My appointment expires

Oct 8, 2003

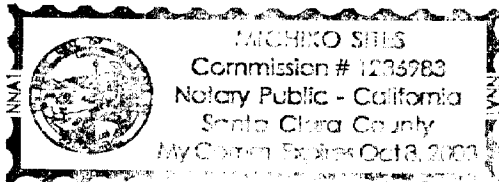
10/4/01

\*\*\* \*\*  
Frederick A. Ware

State of California )  
County of Santa Clara ) ss.

I certify that I know or have satisfactory evidence that Frederick A. Ware is the 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.

Dated October 4, 2001



Signature of Michiko Sills  
Notary Public

My appointment expires Oct 8, 2003