

10-07-2003



102569482

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

U.S. PTO
10/672853



092603

1. Name of conveying party(ies): **9.26.03**
Jared Zerbe
Mark Horowitz
Carl Werner

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

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Street Address: 4440 El Camino Real

City: Los Altos State: CA Zip: 94022

Execution Date: September 24, 2003

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): **10672853**
If this document is being filed together with a new application, the execution date of the application is: Sep. 24, 2003
A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Kirk J. DeNiro, Esq.

Internal Address: _____

Vierra Magen Marcus Harmon & DeNiro LLP

Street Address: _____

685 Market Street, Suite 540

City: San Francisco State: CA Zip: 94105

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:

501826

(Attach duplicate copy of this page if paying by deposit account)

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.

Kirk J. DeNiro, Reg. No. 35,854
Name of Person Signing

[Signature]
Signature

September 26, 2003
Date

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

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

10/02/2003 WARRHAN1 00000045 10672853

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40.00 DP

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

- (1) Jared Zerbe, a resident of 421 Hillside Drive, Woodside, California 94062;
- (2) Mark Horowitz, a resident of 1309 San Mateo Drive, Menlo Park, California 94025; and
- (3) Carl Werner, a resident of 124 Briarwood Way, Los Gatos, California 95032,

have invented certain new and useful improvements in:

**A CIRCUIT, APPARATUS AND METHOD FOR ADJUSTING A DUTY-CYCLE OF A
CLOCK-SIGNAL IN RESPONSE TO INCOMING SERIAL DATA**

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

1. On the Date of Execution of Declaration for Patent Application set forth below adjacent to my signature;
- Or
2. Said application having Application Number ___/___,___ and filed on the ___ day of _____, 20__.

WHEREAS Rambus, Inc. (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at 4440 El Camino Real, Los Altos, State of California, wishes to acquire 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 Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to 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 in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors 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 other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing 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 complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors 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 Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors 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, the said Inventors have executed this instrument on the date of acknowledgement before the Notary Public as given below and delivered this instrument to said Assignee:

Dated: 9/24/03 (1) Jared Zerbe
Jared Zerbe

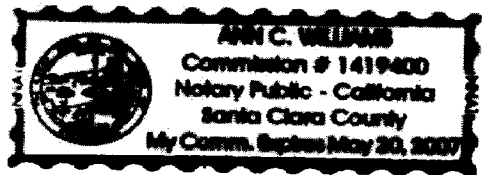
State of California)
County of Santa Clara)

On Sept. 24, 2003 before me, Ann C. Williams, Notary Public.
(name and title of officer)

personally appeared Jared Zerbe, personally known to me (or 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.

WITNESS my hand and official seal.

Signature Ann C. Williams



Dated: Sept 24, 2003 (2) [Signature]
Mark Horowitz

State of _____)
County of _____)

On _____ before me, _____
(name and title of officer)

personally appeared _____, personally known to me (or 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.

WITNESS my hand and official seal.

Signature _____

Dated: _____ (3) _____
Carl Werner

State of _____)
County of _____)

On _____ before me, _____
(name and title of officer)

personally appeared _____, personally known to me (or 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.

WITNESS my hand and official seal.

Signature _____

Dated: _____ (2) _____

Mark Horowitz

State of _____)

County of _____)

On _____ before me, _____,
(name and title of officer)

personally appeared _____, personally known to me (or 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.

WITNESS my hand and official seal.

Signature _____

Dated: 9/24/2003 (3) Carl Werner
Carl Werner

State of CALIFORNIA)

County of SANTA CLARA)

On Sept. 24, 2003 before me, Ann C. Williams, Notary Public,
(name and title of officer)

personally appeared Carl Werner, personally known to me (or 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.

WITNESS my hand and official seal.

Signature Ann C. Williams

