

12-03-1999



101213306

RECORDATION FORM COVER SHEET
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

☒ New

☐ Resubmission (Non-Recordation)

Document ID#

☐ Correction of PTO Error

Reel #

Frame #

☐ Corrective Document

Reel #

Frame #

Conveyance Type

☒ Assignment

☐ Security Agreement

☐ License

☐ Change of Name

☐ Merger

☐ Other

U.S. Government

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File

☐ Secret File

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Name (line 1) Billy Wayne Garrett, Jr.

Execution Date
Month Day Year
10 21 1999

Name (line 2)

Second Party

Name (line 1) Frederick Abbott Ware

Execution Date
Month Day Year
10 26 1999

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) RAMBUS INC.

Name (line 2)

Address (line 1) 24 65 Latham Street

Address (line 2)

Address (line 3) Mountain View

CA

94040

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

12/02/1999 DNGUYEN 00000111 09395160

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40.00 CP

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Mail documents to be recorded with required cover sheet(s) information to:

PATENT
REEL: 010407 FRAME: 0570

Correspondent Name and Address

Area Code and Telephone Number

(703) 430-5488

Name Stephen R. Whitt

Address (line 1) 1215 Tottenham Court

Address (line 2) Reston, Virginia 20194

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

6

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/395,160

If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the

Deposit Account Number:

50-0763

Authorization to charge additional fees:

Yes

☒

No

☐

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. Charges to deposit account are authorized, as indicated herein.

Stephen R. Whitt

Name of Person Signing

Signature

November 23, 1999

Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)



Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Craig E. Hampel

Execution Date
Month Day Year
10 29 1999

Name (line 2)

Name (line 1) Richard M. BARTH

Execution Date
Month Day Year
11 08 1999

Name (line 2)

Name (line 1) Donald C. STARK

Execution Date
Month Day Year
10 29 1999

Name (line 2)

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Application Number(s) or Patent Number(s)



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Patent Application Number(s)

Patent Number(s)

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)



Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Abhijit Mukund Abhyankar

Execution Date
Month Day Year
10 20 1999

Name (line 2)

Name (line 1) Catherine Yuhjung Chen

Execution Date
Month Day Year
10 20 1999

Name (line 2)

Name (line 1) Thomas J. Shettler

Execution Date
Month Day Year
10 22 1999

Name (line 2)

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

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Patent Application Number(s)

Patent Number(s)

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Ely K. Tsern

Execution Date
Month Day Year
10 22 1999

Name (line 2)

Name (line 1) Steven Cameron Wood

Execution Date
Month Day Year
10 22 1999

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1)

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

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Address (line 1)

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Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

Docket No.
RA-135

This is an Assignment of the following rights, title and interest: (check all that apply):

- ☒ *United States of America rights, title and interest in the invention*
☒ *Foreign rights, title and interest in the invention*
☒ *United States Patent Application Serial No.* 09/395,160

Date of Execution:

Date of Filing: September 14, 1999

☐ *United States Provisional Patent Application Serial No.*

☐ *United States Patent No(s).*

☐ *International (PCT) Patent Application Serial No.*

☐ *Other (specify)*

Title of the Invention

HIGH-SPEED MEMORY SYSTEM CAPABLE OF SELECTIVELY OPERATING IN NON-CHIP-KILL AND CHIP-KILL MODES

Inventors (assignors)

<i>Name</i>	<i>Address</i>
Billy Wayne Garrett, Jr.	Mountain View, California
Frederick Abbott Ware	Los Altos, California
Craig E. Hampel	San Jose, California
Richard M. Barth	Palo Alto, California
Donald C. Stark	Los Altos, California
Abhijit Mukund Abhyankar	Sunnyvale, California
Catherine Yuhjung Chen	Milpitas, California
Thomas J. Sheffler	San Francisco, California
Ely K. Tsern	Los Altos, California
Steven Cameron Woo	Saratoga, California

Assignee

<i>Name</i>	<i>Address</i>
RAMBUS INC.	2465 Latham Street Mountain View, California 94040

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

Docket No.
RA-135

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

<i>Name</i>	<i>Signature/Date</i>
Billy Wayne Garrett, Jr.	
Frederick Abbott Ware	
Craig E. Hampel	
Richard M. Barth	
Donald C. Stark	
Abhijit Mukund Abhyankar	
Catherine Yuhjung Chen	
Thomas J. Sheffler	
Ely K. Tsern	
Steven Cameron Woo	

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
RA-135

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

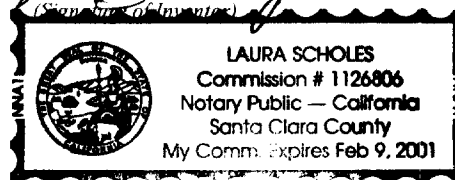
Executed this 21 day of October, in the year 1999

at
Mountain View

State of California

County of Santa Clara

Bill Wayne Garrett Jr.
(Signature of Inventor)



Before me personally appeared Billy Wayne Garrett, Jr.

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 21 day of October, in the year 1999

Laura Scholes
(Notary Public)

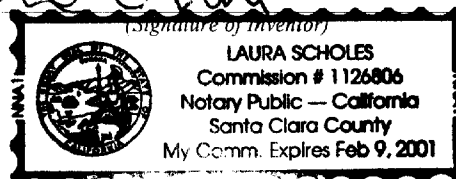
Executed this 26 day of October, in the year 1999

at
Mountain View CA

State of California

County of Santa Clara

Frederick Abbott Ware
(Signature of Inventor)



Before me personally appeared Frederick Abbott Ware

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 26 day of October, in the year 1999

Laura Scholes
(Notary Public)

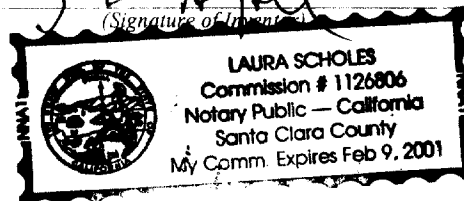
Executed this 29 day of October, in the year 1999

at
Mountain View

State of California

County of Santa Clara

Craig E. Hampel
(Signature of Inventor)



Before me personally appeared Craig E. Hampel

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 29 day of October, in the year 1999

Laura Scholes
(Notary Public)

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
RA-135

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 8th day of November, in the year 1999

at

Richard M. Barth
(Signature of Inventor)

State of California

County of Santa Clara



Before me personally appeared Richard M. Barth

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 8th day of November in the year 1999

Michiko Sites
(Notary Public)

Executed this 29th day of October, in the year 1999

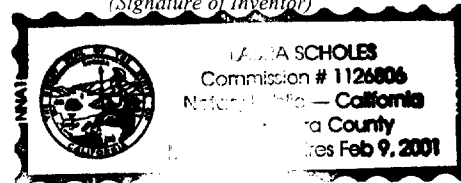
at

Mountain View

State of California

County of Santa Clara

Donald C. Stark
(Signature of Inventor)



Before me personally appeared Donald C. Stark

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 29th day of October in the year 1999

Laura Scholes
(Notary Public)

Executed this 20th day of October, in the year 1999

at

Mountain View

State of California

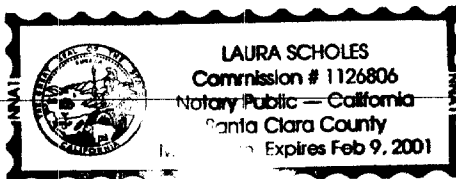
County of Santa Clara

Abhijit Mukund Abhyankar
(Signature of Inventor)

Before me personally appeared Abhijit Mukund Abhyankar

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 20th day of October in the year 1999

Laura Scholes
(Notary Public)



Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
RA-135

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 20th day of October, in the year 1999

at

Mountain View

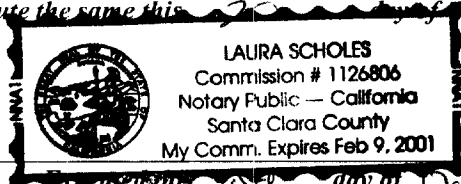
State of California

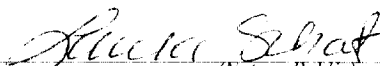
County of Santa Clara


(Signature of Inventor)

Before me personally appeared Catherine Yuhjung Chen

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 20th day of October in the year 1999




(Notary Public)

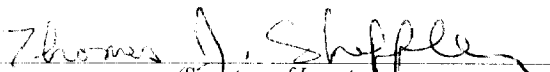
Executed this 20th day of October, in the year 1999

at

Mountain View

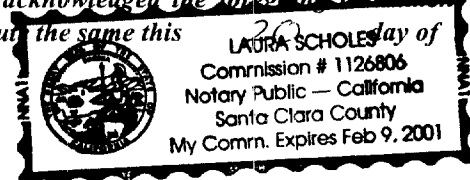
State of California

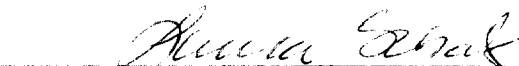
County of Santa Clara


(Signature of Inventor)

Before me personally appeared Thomas J. Sheffler

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 20th day of October in the year 1999




(Notary Public)

Executed this 22 day of October, in the year 1999

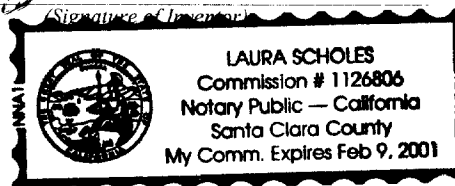
at

Mountain View

State of California

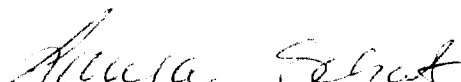
County of Santa Clara


(Signature of Inventor)



Before me personally appeared Ely K. Tsern

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 22 day of October in the year 1999


(Notary Public)

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
RA-135

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 22 day of OCTOBER, in the year 1999

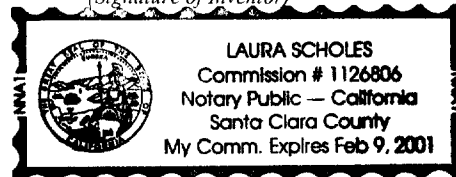
at

Mountain View

State of California

County of Santa Clara

Steven Cameron Woo
(Signature of Inventor)



Before me personally appeared Steven Cameron Woo

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 22 day of October in the year 1999

Laura Scholes
(Notary Public)

Executed this day of, in the year

at

State of

County of

Before me personally appeared

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this day of in the year

(Signature of Inventor)

(Notary Public)

Executed this day of, in the year

at

State of

County of

Before me personally appeared

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this day of in the year

(Signature of Inventor)

(Notary Public)