

03-24-2000

U.S. Department of Commerce
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Assignment



Security Agreement



License



Change of Name



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Departmental File



Secret File

Conveying Party(ies)



Mark if additional names of conveying parties attached

Name (line 1)

GARRETT, JR. , Billy Wayne

Execution Date
Month Day Year
02 02 2000

Name (line 2)

Second Party

Name (line 1)

WARE, Frederick Abbott

Execution Date
Month Day Year
02 02 2000

Name (line 2)

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)

RAMBUS, INC

Name (line 2)

Address (line 1)

2465 Latham Street

Address (line 2)

Address (line 3)

Mountain View

California

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

WHITT, Stephen R.

Address (line 1)

1215 Tottenham Court

Address (line 2)

Reston, Virginia 20194

Address (line 3)

Address (line 4)

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03/24/2000 DCOATES 00000047 09457155

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

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REEL: 010624 FRAME: 0583

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Area Code and Telephone Number

(703) 433-9208

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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)

09457155

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
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Number of Properties

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1

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

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Deposit Account ☐

Deposit Account

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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

Stephen R. Whitt 34,753
Signature

February 19, 2000

Date

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Conveying Party(ies)



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Name (line 1) HAMPEL, Craig E.

Execution Date
Month Day Year
02 08 2000

Name (line 2)

Name (line 1) BARTH, Richard M.

Execution Date
Month Day Year
02 17 2000

Name (line 2)

Name (line 1) STARK, Donald C.

Execution Date
Month Day Year
02 07 2000

Name (line 2)

Receiving Party



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Name (line 1)

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Address (line 2)

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Name (line 2)

Address (line 1)

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Patent Application Number(s)

Patent Number(s)

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U.S. Department of Commerce
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PATENT

Conveying Party(ies)



Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) ABHYANKER, Abhijit Mukund

Execution Date
Month Day Year
02 02 2000

Name (line 2)

Name (line 1) CHEN, Catherine Yuhjung

Execution Date
Month Day Year
02 02 2000

Name (line 2)

Name (line 1) SHEFFLER, Thomas J.

Execution Date
Month Day Year
02 04 2000

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

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

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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)

RECORDATION FORM COVER SHEET
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PATENTS ONLY

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

Conveying Party(ies)

Enter additional Conveying Parties

☐ Mark if additional names of conveying parties attached

Name (line 1) TSERN, Ely K.

Execution Date
Month Day Year
02 14 2000

Name (line 2)

Name (line 1) WOO, Steven Cameron

Execution Date
Month Day Year
02 03 2000

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)

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

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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-136

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.* 09/457,155

Date of Execution: _____

Date of Filing: December 8, 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

MEMORY SYSTEM WITH CHANNEL MULTIPLEXING OF MULTIPLE MEMORY DEVICES

Inventors (assignors)

<i>Name</i>	<i>Address</i>
Billy Wayne Garrett, Jr.	928 Wright Avenue #405, Mountain View, CA 94043
Frederick Abbott Ware	13961 Fremont Pines Lane, Los Altos Hills, CA 94022
Craig E. Hampel	5927 Dunn Avenue, San Jose, CA 95123
Richard M. Barth	787 Los Robles Avenue, Palo Alto, CA 94306
Donald C. Stark	4546 B10 El Camino #108, Los Altos, CA 94022
Abhijit Mukund Abhyankar	484 Madera Avenue #2, Sunnyvale, CA 94086
Catherine Yuhjung Chen	418 Corinthia Drive, Milpitas, CA 95035
Thomas J. Sheffler	4096 17th Street #110, San Francisco, CA 94114
Ely K. Tsern	684 Riviera Drive, Los Altos, CA 94024
Steven Cameron Woo	12180 Country Squire Lane, Saratoga, CA 95070

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-136

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-136

Notarization

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

Executed this 2 day of February, in the year 2000
at Mountain View CA

State of California
County of Santa Clara

Billy W. 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 2nd day of February, in the year 2000.

2/2/00

Michiko Sites
(Notary Public)

Executed this 2 day of 2, in the year 2000
at Mountain View California

State of California
County of Santa Clara

[Signature]
(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 2nd day of February, in the year 2000.

Michiko Sites
(Notary Public)

Executed this 8th day of February, in the year 2000
at Mountain View, California

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 8th day of February, in the year 2000.

Michiko Sites
(Notary Public)

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

Docket No.

RA-136

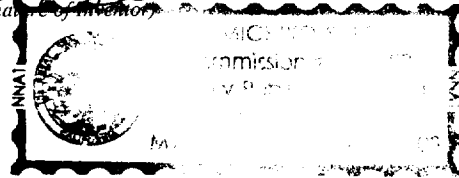
Notarization

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

Executed this 17th day of February, in the year 2000
at Mountain View, CA.

State of California
County of Santa Clara

Richard M. Barth
(Signature of Inventor)



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 17th day of February in the year 2000.

Michiko Sites
(Notary Public)

Executed this 7th day of February, in the year 2000
at Mountain View, CA.

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 7th day of February in the year 2000.

Michiko Sites
(Notary Public)

Executed this 2nd day of Feb, in the year 2000
at Mountain View, California.

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 2nd day of February in the year 2000.

Michiko Sites
(Notary Public)

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

Docket No.
RA-136

Notarization

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

Executed this 2nd day of February, in the year 2000

at Mountain View California

State of California

County of Santa Clara

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 2nd day of February in the year 2000.

Catherine Y. Chen
(Signature of Inventor)



Michiko Sites
(Notary Public)

Executed this 4th day of Feb., in the year 2000

at Mountain View, Ca

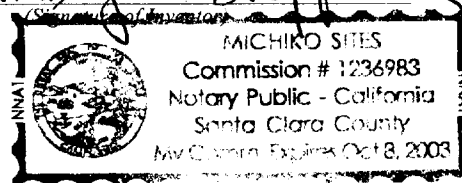
State of California

County of Santa Clara

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 4th day of February in the year 2000.

Thomas J. Sheffler
(Signature of Inventor)



Michiko Sites
(Notary Public)

Executed this 14th day of February, in the year 2000

at Mountain View, CA

State of California

County of Santa Clara

Before me personally appeared Ely K. Tsem

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 14th day of February in the year 2000.

Ely K. Tsem
(Signature of Inventor)



Michiko Sites
(Notary Public)

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

Docket No.
RA-136

Notarization

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

Executed this 3RD day of FEBRUARY, in the year 2000
at MOUNTAIN VIEW, CA

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 3RD day of February in the year 2000.

Michiko Sites
(Notary Public)

Executed this _____ day of _____, in the year _____

at _____

(Signature of Inventor)

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 _____

(Notary Public)

Executed this _____ day of _____, in the year _____

at _____

(Signature of Inventor)

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 _____

(Notary Public)