Form PI	O-1595 (Rev.	06/04	.)
OMB No	0651-0027	(exp.	6/30/2005

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102856234				
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)/Execution Date(s): 2. Name and address of receiving party(ies)				
1. Steven Woo 4. Wayne S. Richardson	e record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) Name: Rambus Inc.			
2. Michael Ching5. Kurt T. Knorpp3. Chad A. Bellows6. Jun Kim	Internal Address: 2			
1. Sept. 28, 2004 4. Sept. 28, 2004 2. Sept. 30, 2004 5. Sept. 28, 2004 Execution Date(S) 3. Sept. 28, 2004 Additional name(s) of conveying party(ies) attached? Yes ✓ No	Street Address: 4440 El Camino Real			
3. Nature of conveyance:				
Assignment Merger	City: Los Altos			
Security Agreement Change of Name	State: <u>California</u>			
Government Interest Assignment	Country: <u>U.S.A.</u> Zip: <u>94022</u>			
Executive Order 9424, Confirmatory License				
4. Application or patent number(s):	Additional name(s) & address(es) attached? Yes Y No document is being filed together with a new application.			
A. Patent Application No.(s) 1695494	B. Patent No.(s)			
Additional numbers attached? Yes 🖌 No				
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:			
Name: <u>Kirk J. DeNiro, Esq.</u>	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40			
Internal Address:	Authorized to be charged by credit card			
Vierra Magen Marcus Harmon & DeNiro LLP	Authorized to be charged to deposit account			
Street Address:	✓ Enclosed			
685 Market Street, Suite 540	None required (government interest not affecting title)			
City: <u>San Francisco</u>	8. Payment Information			
State: <u>CA</u> Zip: <u>94105</u>	a. Credit Card Last 4 Numbers Expiration Date			
Phone Number: <u>415-369-9660</u>				
Fax Number: <u>415-369-9665</u>	b. Deposit Account Number <u>501826</u>			
Email Address: <u>kdeniro@vmmhd.com</u>	Authorized User Name			
9. Signature:) ~ 7/36/64 September 30, 2004			
Signature	Date			
Kirk J. DeNiro	Total number of pages including cover 9 sheet, attachments, and documents:			
Name of Person Signing				

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

(1) Steven Woo, a resident of 12180 Country Squire Lane, Saratoga, California 95070;

(2) Michael Ching, a resident of 1621 Pinehurst Drive, Los Altos, California 94022;

(3) Chad A. Bellows, a resident of 509 Burlingame Avenue, Burlingame, California 94010;

(4) Wayne S. Richardson, a resident of 11890 Walbrook Drive, Saratoga, California 95070;

(5) Kurt T. Knorpp, a resident of 12 Michael Court, San Carlos, California 94070; and

(6) Jun Kim, a resident of 24086 Princess Elleena Court, Los Altos Hills, California 94024,

have invented certain new and useful improvements in:

AN INTEGRATED CIRCUIT MEMORY SYSTEM HAVING DYNAMIC MEMORY BANK COUNT AND PAGE SIZE

and have executed a declaration for an application for a United States Patent disclosing and identifying the invention:

1. <u>X</u> The Declaration for the application for the United States patent being executed on 9/28/04, 9/30/04;

Or

2. _____Said application having Application Number ______ and filed on the _____th day of ______, 200___.

WHEREAS <u>Rambus Inc.</u> (hereinafter termed "Assignce"), a corporation of the State of <u>Delaware</u>, having a place of business at <u>4440 El Camino Real</u>, <u>Los Altos</u>, State of <u>California</u>, 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:

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Attorney Docket No.: RAMB-01060US0 ramb/1060/1060.assignment-1 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 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.

Said Inventors hereby jointly and severally covenant and agree to cooperate with said 2. 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.

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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:

	10 Stunk
	Steven Woo
State of California	
County of Santa Clara	·)
on 9/28/2004	before me, <u>Ann C. Williams, Notary Public</u> , (name and title of officer)

personally appeared ______Steven Woo____, 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.

Î AL Signature



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Michael State of <u>California</u> Santa Clara County of 9130104 n liams blie, On_ before me, Ann (name and title of officer) personally appeared Michael Ching personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(a) whose name(a) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ien), 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 fificial seal. ANN C. WELLA Commit ion # 1419400 Notary Public - California Signature Santa Clara County V Comm. Expl May 20, 2007

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Chad A Bellows

California State of nh. County of blie, ams 9 04 On before me. (name and title of

personally appeared <u>Chad A. Bellows</u>, 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



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(4) Wayne S. Richardson

Californio State of Clarg County of 9 2004 28l lie. before me, On (name and title of officer) personally appeared Wayne S. Richardson , personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(e) whose name(s) is/are-subscribed to the within instrument and acknowledged to me that he/she/theyexecuted 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. Cn 1419400 **Kolory** Pub iic - California Score la Clara County Signature Ôm m. Explosivicy 20, 2007

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	(5)Kurt T. Knorpp
State of California)
County of Santa Clar	
On 9 28 04	before me, <u>Ann C. Williams</u> , Notary Public,
the person(s) whose name(s) is/are-subscribed	, personally known to me (or proved to me on the basis of satisfactory evidence) to be to the within instrument and acknowledged to me that he/she/they executed the same in by his/her/their signature(e) on the instrument the person(e), or the entity upon behalf of

WITNESS my hand and official seal, lind Signature



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PATENT REEL: 015866 FRAME: 0622

(6)r/ an Kim alifornia State of nlara County of C. 28/0 lie, On Ann before me, (name and title of officer)

personally appeared <u>Jun Kim</u>, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(*p*) 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(*p*), or the entity upon behalf of which the person(*p*) acted, executed the instrument.

WITNESS my hand and official scal Signature



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RECORDED: 09/30/2004