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Form PTO-1595 (Rev. 10/02) 102757	U.S. DEPARTMENT OF COMMERCE	
OMB No. 0651-0027 (exp. 6/30/2005)  Tab settings	• • • • • • • • • • • • • • • • • • •	
	Please record the attached original documents or copy thereof.	
Name of conveying party(ies):     Vladimir M. Stojanovic; Andrew Ho;     Anthony Bessios; Fred F. Chen;     Elad Alon; and Mark A. Horowitz	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	
5/18/2004, 5/19/2004, 5/20/2004 Execution Date:	City: Los Altos State: CA Zip: 94022  Additional name(s) & address(es) attached? Yes V No	
4. Application number(s) or patent number(s):  If this document is being filed together with a new appli  A. Patent Application No.(s)	cation, the execution date of the application is: 5/18/2004 B. Patent No.(s)	
Additional numbers at	ached? Yes No	
Name and address of party to whom correspondence concerning document should be mailed:     Name:Shemwell Gregory & Courtney LLP  Internal Address:	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41)\$  Enclosed  Authorized to be charged to deposit account	
Street Address:4880 Stevens Creek Boulevard  Suite 201	8. Deposit account number:  501914	
City: San Jose State: CA Zip: 95129		
DO NOT USE THIS SPACE		
9. Signature.  Charles E. Shemwell  Name of Person Signing	(2) May 21, 2004	
	Signature Date	
Total number of pages including cover sheet, attachments, and documents:  Mail documents to be recorded with required cover sheet information to:		

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er of Patents & Trademarks, Box Assi Washington, D.C. 20231

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PATENT REEL: 015397 FRAME: 0199 Attorney Docket No.: RBS2.P003 PATENT

## **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, Vladimir M. Stojanovic, Andrew Ho, Anthony Bessios, Fred F. Chen, Elad Alon and Mark A. Horowitz, the undersigned Assignor(s), believing to be the original, first and sole or joint inventor(s) of any and all new and useful improvements disclosed in the application for the United States patent entitled

## HIGH SPEED SIGNALING SYSTEM WITH ADAPTIVE TRANSMIT PRE-EMPHASIS AND REFLECTION CANCELLATION

hereby sell, assign, and transfer to Rambus Inc., a Delaware Corporation having a principal place of business at 4440 El Camino Real, Los Altos, California 94022, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the same patent application

	which was filed with the United States Patent and Trademark Office on
and which was	assigned Application Number
_X	which has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below.

The undersigned further sell, assign, and transfer to Assignee said application and all divisional applications, continuation applications, continuation applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications, utility models and the like that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

The undersigned further agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements

Atty. Docket No. RBS2.P003

PATENT REEL: 015397 FRAME: 0200 and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives.

The undersigned covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned hereby authorize and request the Officials of the United States Patent and Trademark Office and any and all foreign Patent Offices to issue any and all Letters Patents, when granted, to said Assignee as the assignee of the entire right, title and interest in and to the same, for the sole use of said Assignee, its successors and assigns, to the full end of the term for which said Letters Patents may be granted.

The undersigned hereby grant to <u>Charles E. Shemwell (Reg. No. 40,171)</u>, located at <u>4880 Stevens Creek Blvd.</u>, Suite 201, San Jose, California 95129-1034, the power to insert on this document any further identification necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

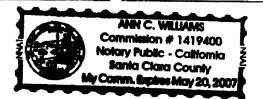
## Each Inventor/Assignor: Please Sign and Date Below:

ı	
	Date Name: Władimir M Stojanovic
	State of California ) ) ss County of Santa Clara )
	I certify that I know/have satisfactory evidence that Vladimir M. Stojanovic 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.
(	WITNESS my hand and official seal.,  Notary Public Signature
	Date: 5 19 104

Please also list date you signed the accompanying DECLARATION AND POWER OF ATTORNEY if Assignment executed with new filing:

5-19, 2004
Date

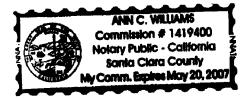
Atty. Docket No. RBS2.P003



	Ce 11-
May 18, 2004 Date	Name: Andrew Ho
State of California	) ) ss
County of Santa Clara	)
who appeared before me, and s	actory evidence that Andrew Ho is the person aid person acknowledged that he or she signed ged it to be his or her free and voluntary act for ed in the instrument.
WITNESS my hand and official work of the w	al seal.
Date: 5/18/2004	

Please also list date you signed the accompanying DECLARATION AND POWER OF ATTORNEY if Assignment executed with new filing:

<u>5 - 18</u>, 2004 Date



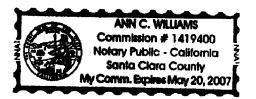
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		,
	5/19/, 2004	only Ruis
	Date 1	Name: Anthony Bessios
	State of California	) ) ss
	County of Santa Clara	
	person who appeared before me, a	ory evidence that Anthony Bessios is the and said person acknowledged that he or she dedged it to be his or her free and voluntary tioned in the instrument.
	WITNESS my hand and official se	eal.
	Notary Public Signature  Date: 5/19/04	
	Date: 5/19/04	<del></del>

ANN C. WILLIAMS
Commission # 1419400
Notary Public - Cattornia
Santa Clara County
My Comm. Expires May 20, 2007

1	
	5/19/04, 2004
	State of California ) ) ss County of Santa Clara )
	I certify that I know/have satisfactory evidence that Fred F. Chen 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.
_	WITNESS my hand and official steal.
	Notary Public Signature  Date: 5/19/04

Please also list date you signed the accompanying DECLARATION AND POWER OF ATTORNEY if Assignment executed with new filing:

5-19, 2004
Date



	Sheller	
5-20, 2004 Date	Name: Elad Alon	
Date	Name. Elau Alon	
State of California	) ) ss	
County of Santa Clara	)	
I certify that I know/heres writing	tory evidence that Elad Alon is the person who	
appeared before me, and said per	rson 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.		
4		
WITNESS my hand and official seed.		
Har (W, Walls		
Notary Public Signature		
Date: 5/20/04		

Please also list date you signed the accompanying DECLARATION AND POWER OF ATTORNEY if Assignment executed with new filing:

<u>5 - 20</u>, 2004



Man 18, 2004 Date	Name: Mark A. Horowitz	Please also list date you signed the accompanying DECLARATION AND POWER OF ATTORNEY if Assignment executed with new filing:
State of California	) ) ss	
County of Santa Clara	)	
person who appeared before m	factory evidence that Mark A. Horowitz is the e, and said person acknowledged that he or she nowledged it to be his or her free and voluntary nentioned in the instrument.	
WITNESS my hand and officia	al scal.	
Notary Public Signature		
Date:		

Atty. Docket No. RBS2.P003

**RECORDED: 05/21/2004**