Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)	03-25-2		U.S. DEPARTMENT OF COMMER U.S. Patent and Trademark Of	
Tab settings ⇔ ⇔ ⇒ ▼	102704	292, 1	Y	V
To the Honorable Commissioner	c arents and Trademarks:	Please record the attached o		
1. Name of conveying party(ies):	2. TRAIL	2. Name and address	• • • •	s) Otd
(1) Scott C. Best (2) Abhijit M. Abhyankar	3.1104	Name: Rambus	, INC.	<u>A</u>
(3) Kun-Yung Chang		Internal Address:		
(4) Frank Lambrecht				34
Additional name(s) of conveying party(les) 3. Nature of conveyance:	attached? Yes VINO			16834
Assignment	Merger		. <u></u>	
		Street Address: 4440 El Camino Real		eal
Security Agreement	Change of Name			
Other				
(1) 16 MAR 2004 (2) 16 MAR 2004		City: Los Altos	State: <u>CA</u> Zip:	94022
(3) 16 MAR 2004 Execution Date: <u>(4) 16 MAR 2004</u>		Additional name(s) & a	ddress(es) attached?	Yes 🖌 No
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	Additional numbers at	tached? Yes 🖌 No		
5. Name and address of party to v	vhom correspondence	tached? Yes 🖌 No 6. Total number of app	plications and patents	s involved:
concerning document should be	vhom correspondence	6. Total number of app		
concerning document should be Name:Mark A. Haynes	vhom correspondence	6. Total number of app 7. Total fee (37 CFR 3		
concerning document should be Name:Mark A. Haynes Internal Address:	vhom correspondence mailed:	6. Total number of app 7. Total fee (37 CFR 3	3.41) <u>\$</u> 40.	00
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concerning document should be Name:Mark A. Haynes Internal Address: Haynes Beffel & Wolfeld	vhom correspondence mailed: LLP	6. Total number of app 7. Total fee (37 CFR 3 Enclosed Authorized to b	3.41)\$ <u>40.</u> be charged to deposi	00
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concerning document should be Name:Mark A. Haynes Internal Address: Haynes Beffel & Wolfeld Street Address:P.O. Box 366 City:Half Moon Baytate.CAz 9. Signature. KENTA SUZUE Name of Person Signing Total nu	vhom correspondence mailed: LLP 6 2ip: 94019 DO NOT USE DO NOT USE More of pages including cover documents to be recorded with Commissioner of Patents &	6. Total number of app 7. Total fee (37 CFR 3 Enclosed Authorized to b 8. Deposit account nu 50-0869 (Docke THIS SPACE	2.41) <u>40.</u> be charged to deposition imber: t No. RBUS 1315 <u>17 MARC</u> Date: cuments: 5	00 t account 1)

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

(1)	Scott C. Best 4283 Ponce Drive Palo Alto, CA 94306	(2)	Abhijit M. Abhyankar 1158 Bennington Drive Sunnyvale, CA 94087
(3)	Kun-Yung Chang 296 Ramon Drive Los Altos, CA 94024	(4)	Frank Lambrecht 2025 California, #23 Mountain View, CA 94040

hereinafter termed "Inventors", have invented certain new and useful improvements in

DRIFT TRACKING FEEDBACK FOR COMMUNICATION CHANNELS

and have filed an application for a United States patent disclosing and identifying the above invention on ______ as Application No. ______, OR are filing such an application herewith, and have executed an oath or declaration of inventorship for such application on:

(1) the
$$16^{th}$$
 day of March, 2004;
(2) the 16^{th} day of March, 2004;
(3) the 16^{th} day of March, 2004;
(4) the 16^{th} day of March, 2004;

(hereinafter termed "application"); and

WHEREAS, Rambus, Inc., a corporation of the State of Delaware, having a place of business at 4440 El Camino Real, Los Altos, CA 94022 (hereinafter termed "Assignee"), is desirous of acquiring 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, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

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

1. Said Inventors do hereby sell, assign, transfer and convey unto 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 for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; ©) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

RBUS 1315-1 (RA315.P.US)

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 foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution 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 prosecuting any of said applications; \mathbf{O}) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use 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, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.





State of California County of Santa Clara

personally appeared Scott C. Best



A personally known to me or proved to me on the basis of

On 3-16, 2004, before me, Ann C. Williams, Noto

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Public)

RBUS 1315-1 (RA315.P.US)

Abhijit M. Abhyankar

16/04.

Date



Kun-Yung Chang

3/16/04

Date



State of California

County of Santa Clara

On <u>3-110</u>, 2004, before me, <u>Ann C Williams</u>, Notary personally appeared <u>Abhijit M. Abhyankar</u>, Public,

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personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

lina **Notary** Public

State of California

County of Santa Clara

On <u>3-110</u>, 2004, before me, <u>Ann C. Williamg</u> Notary personally appeared <u>Kun-Yung Chang</u> Public,

A personally known to me or proved to me on the basis ofsatisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/ber authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official sea

Page 3 of 4

RBUS 1315-1 (RA315.P.US)

Ful Lott

Frank Lambrecht

3/16/04

Date

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State of California

County of Santa Clara

On <u>3-16</u>, 2004, before me, <u>Ann</u> <u>C</u> <u>Williams</u>, Notary personally appeared <u>Frank Lambrecht</u>, <u>Public</u>

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WITNESS my hand and official seal.

Gam (Notary Public)

Page 4 of 4

PATENT REEL: 015120 FRAME: 0990

RECORDED: 03/17/2004