

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Frederick A. Ware</td> <td>10/12/2012</td> </tr> <tr> <td>Ely Tsern</td> <td>10/16/2012</td> </tr> <tr> <td>Brian Leibowitz</td> <td>10/15/2012</td> </tr> <tr> <td>Jared Zerbe</td> <td>10/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Frederick A. Ware	10/12/2012	Ely Tsern	10/16/2012	Brian Leibowitz	10/15/2012	Jared Zerbe	10/12/2012
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Frederick A. Ware	10/12/2012										
Ely Tsern	10/16/2012										
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RECEIVING PARTY DATA											
Name:	Rambus Inc.										
Street Address:	1050 Enterprise Way, Suite 700										
City:	Sunnyvale										
State/Country:	CALIFORNIA										
Postal Code:	94089										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US1262301</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US1262301						
Property Type	Number										
PCT Number:	US1262301										
CORRESPONDENCE DATA											
Fax Number:	6503212465										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Email:	sjc@eecspatents.com										
Correspondent Name:	Steven J. Cahill / Rambus Inc.										
Address Line 1:	P.O. Box 779										
Address Line 4:	Menlo Park, CALIFORNIA 94026-0779										
ATTORNEY DOCKET NUMBER:	RA1042.F.PCT										
NAME OF SUBMITTER:	Steven J. Cahill										
Total Attachments: 2 source=RA1042Prov2USAssignment#page1.tif source=RA1042Prov2USAssignment#page2.tif											

OP \$40.00 US1262301

PATENT

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and pursuant to my obligation to Rambus Inc. and/or its affiliates to assign intellectual property, and pursuant to any other applicable agreements regarding the assignment of intellectual property among Rambus Inc. and its affiliates, I, as one of the person(s) named below

Frederick A. Ware of Los Altos Hills, California
Ely Tsern of Los Altos, California
Brian Leibowitz of San Francisco, California
Jared Zerbe of Woodside, California

have sold, assigned, and transferred and/or I do hereby sell, assign, and transfer to **Rambus Inc., a Delaware corporation having a place of business at 1050 Enterprise Way, Suite 700, Sunnyvale CA 94089** ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. My entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the patent application ("APPLICATION") titled "**Data Transmission Using Delayed Timing Signals**", having:

- X United States Patent Application No. **61/711,660**, filed on **October 9, 2012**;
 which claims priority to U.S. Patent Application No. [Enter **APPLICATION NUMBER**] filed on [Enter **DATE**]; or
 Application number (_____), filed (_____),
inserted by (_____) on (_____), initials (____)
[Where I hereby authorize and request ASSIGNEE or its agents to insert here in each parentheses the application number and filing date when known, along with the printed name, date, and signed initials of the person completing this section].

2. The entire worldwide right, title, and interest in and to: (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, utility model, design, divisional, continuation, continued prosecution, continuation-in-part, substitute, renewal, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world related to the SUBJECT MATTER; (d) all patents (including reissues, re-examinations, and extensions) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

I agree that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

As part of this Assignment, I further agree to do the following, when requested, and without further consideration: (1) execute all oaths, declarations, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the

rights, titles, and interests conveyed. I further agree to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.


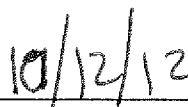

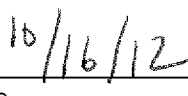
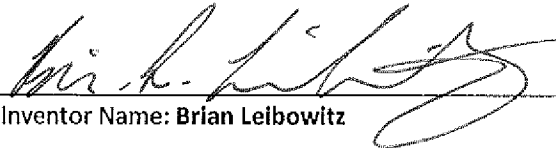

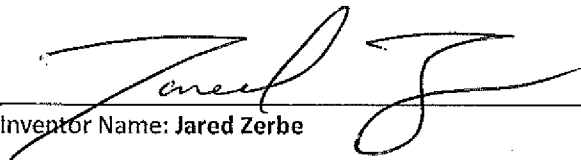
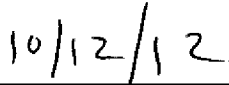
I represent that I had or still have the right, title, and interest to convey as set forth herein, and covenant with ASSIGNEE that I have not made and will not make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests conveyed.

I grant ASSIGNEE or its agents the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The terms and covenants of this Assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding upon me, and my heirs, legal representatives and assigns.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Each Inventor: Please Sign and Date Below:

	
Inventor Name: Frederick A. Ware	Date
	
Inventor Name: Ely Tsern	Date
	
Inventor Name: Brian Leibowitz	Date
	
Inventor Name: Jared Zerbe	Date