505775047 11/15/2019

PATENT ASSIGNMENT COVER SHEET

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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERICK A. WARE	10/13/2015
JOHN ERIC LINSTADT	10/12/2015
KENNETH L. WRIGHT	10/13/2015

RECEIVING PARTY DATA

Name:	RAMBUS INC	
Street Address:	ss: 1050 ENTERPRISE WAY #700	
City:	SUNNYVALE	
State/Country:	CALIFORNIA	
Postal Code:	94089	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15992100

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 408-462-8000

Email: tfriedman@rambus.com
Correspondent Name: TAMMY FRIEDMAN

Address Line 1: 1050 ENTERPRISE WAY #700
Address Line 4: SUNNYVALE, CALIFORNIA 94089

ATTORNEY DOCKET NUMBER:	10378US03
NAME OF SUBMITTER:	TAMMY FRIEDMAN
SIGNATURE:	/TAMMY FRIEDMAN/
DATE SIGNED:	11/15/2019

Total Attachments: 2

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PATENT 505775047 REEL: 051015 FRAME: 0411

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, CA John Eric Linstadt of Palo Alto, CA Kenneth L. Wright of Sunnyvale, CA

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

	BJECT MATTER") that are disclose I " <mark>MEMORY MODULE WITH DYN</mark> .			
X	V. United States Patent Application No. 62/238,867, filed on October			
· · · · · · · · · · · · · · · · · · ·	which claims priority to U.S. Patent Application No. [Enter APPLICATION NUMBER] filed on [Enter DATE]; or			
	Application number (inserted by (), filed (y turksta ?	
	[Where I hereby authorize and each parentheses the applicati with the printed name, date, a section].	on number and filing date w	hen known, along	
(b) all application model, design substitute, reference in the United patents (included) applications APPLICATION	The entire worldwide right, title, a ations claiming priority from the A n, divisional, continuation, contin enewal, and other applications rel I States or elsewhere in the world uding reissues, re-examinations, a set forth in (a), (b), and (c) above; I and in any underlying provisiona over damages for infringement of	RPPLICATION; (c) all provision ued prosecution, continuation that there to which have been related to the SUBJECT MATERIAL (c) all right of priority in a foreign application, together the subjection, together the subjection, together the subjection of the subjecti	nal, utility, utility on-in-part, en or may be filed ITER; (d) all e granted on the n the	

Lagree 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

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> **PATENT** REEL: 051015 FRAME: 0412

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:

achi	10/13/15
Inventor Name: PrederickA. Ware	Date
W. E. CEO	1204215
Invento Name: John Eric Linstadt	Date
Hennoth & Wnest	
Inventor Name: Kenneth L. Wright	Date

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RECORDED: 11/15/2019 REEL: 051015 FRAME: 0413