

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4608424

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
9011579 CANADA INCORPOREE	09/19/2017
RECEIVING PARTY DATA	
Name:	RAMBUS INC
Street Address:	1050 ENTERPRISE WAY #700
City:	SUNNYVALE
State/Country:	CALIFORNIA
Postal Code:	94089
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15624556
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
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:	10815US03
NAME OF SUBMITTER:	TAMMY FRIEDMAN
SIGNATURE:	/TAMMY FRIEDMAN/
DATE SIGNED:	09/22/2017
Total Attachments: 5	
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PATENT ASSIGNMENT

This Patent Assignment ("Patent Assignment") dated as of September 19, 2017 ("Effective Date"), is made by and between 9011579 Canada Incorporee, a Canadian corporation having a principal place of business at Edmonton Canada ("Assignor") and Rambus Inc., a Delaware corporation having a principle place of business at 1050 Enterprise Way, Suite 700, Sunnyvale, CA 94089 ("Assignee").

WHEREAS, Assignor and Assignee have entered into a Patent Purchase Agreement on September 19, 2017, pursuant to which Assignor has agreed to assign certain inventions, patents and patent applications to Assignee.

NOW, THEREFORE, for good and valuable consideration, including the promises and covenants set forth in the Patent Purchase Agreement, the parties hereby agree as follows:

1. Patents

"Patents" means each of the patents and patent applications set forth in Exhibit B and all inventions underlying such patents and patent applications.

2. Assignment

Assignor hereby irrevocably assigns, transfers and conveys to Assignee all of its worldwide right, title and interest in and to the Patents, and all other common law or statutory rights, claims and privileges pertaining to, arising out of or associated with, the Patents, including, without limitation, the right to the underlying inventions, the right to file, prosecute and maintain the Patents, and the right to sue, seek equitable relief and recover damages for past, present and future infringement thereof.

3. Further Assignment

Assignor further assigns to and empowers Assignee, its successors, assigns or nominees, all rights to make applications for patents or other forms of protection for said inventions and to prosecute such applications and the Patents, as well as to claim and receive the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and the right to invoke and claim such right of priority without further written or oral authorization.

IN WITNESS WHEREOF, the parties have caused this Patent Assignment to be executed as of the Effective Date.

ASSIGNOR:

9011579 CANADA INCORPOREE

By: Md. Masum Hossain

Name: Masum Hossain
Title: Director

ASSIGNEE:

RAMBUS, INC.

By: _____

Name: Laura Stark
Title: Senior Vice President

IN WITNESS WHEREOF, the parties have caused this Patent Assignment to be executed as of the Effective Date.

ASSIGNOR:

9011579 CANADA INCORPOREE

By: _____

Name: Masum Hossain
Title: Director

ASSIGNEE:

RAMBUS, INC.

By: *Laura Stark*

Name: Laura Stark
Title: Senior Vice President

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of SANTA CLARA }

On 18 SEPTEMBER 2019 before me, SHONNA LANAE DAWSON, NOTARY PUBLIC
(Date) (Here Insert Name and Title of the Officer)

personally appeared LAURA STARK
(Name(s) of Signer(s))

who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Shonna Lanae Dawson* (Seal)
(Signature of Notary Public)

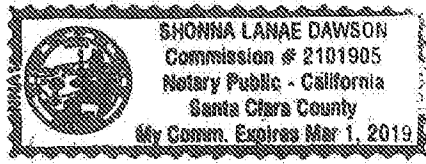


EXHIBIT B

- (1) Adaptive analog-to-digital conversion based on signal prediction, U.S. Patent No. 9,455,046;
- (2) Analog-to-digital conversion based on signal prediction, U.S. Patent No. 9,614,538;
- (3) A unified approach for analog-to-digital (ADC) design, timing recovery, equalization, and AGC for high-speed communication channels, U.S. Patent Application No. 62/107,947;
- (4) Collaborative analog-to-digital and time-to-delay conversion based on signal prediction, U.S. Patent No. 9,378,843;
- (5) Direct digital sequence detector and equalizer based on analog-to-sequence conversion, U.S. Patent No. 9,755,866;
- (6) U.S. Patent Application No. 15/624,556; and
- (7) along with any and all reexaminations, extensions and reissues and any divisionals, substitutions, continuations, continuation-in-parts of the patents or patent applications listed as (1)-(6), and any and all other patents and patent applications that, directly or indirectly, claim priority from the patents or patent applications listed as (1)-(6), including, without limitation, any and all foreign applications or patents, or certificates of invention corresponding thereto.