505128437 10/05/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5175199

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEREMY SAMUEL COOPER	01/09/2015

RECEIVING PARTY DATA

Name:	CRYPTOGRAPHY RESEARCH INC.
Street Address:	425 MARKET STREET 11TH FLOOR
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94105

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15533845

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

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ATTORNEY DOCKET NUMBER:	10231US03
NAME OF SUBMITTER:	TAMMY FRIEDMAN
SIGNATURE:	/TAMMY FRIEDMAN/
DATE SIGNED:	10/05/2018

Total Attachments: 2

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PATENT 505128437 REEL: 047080 FRAME: 0746

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

Jeremy Samuel Cooper of San Francisco, CA

have sold, assigned, and transferred and/or I do hereby sell, assign, and transfer to Cryptography Research, Inc., a California corporation having a place of business at 425 Market Street, 11th Floor, San Francisco, CA 94105 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. My entire worldwide right, title, and interest in all inventions and improvements

titled	SJECT MATTER") that are disclosed in the patent application ("APPLICATION") "DETERMINING CRYPTOGRAPHIC OPERATION MASKS FOR IMPROVING TANCE TO EXTERNAL MONITORING ATTACKS", having:
X	United States Patent Application No. 62/098,189, filed on December 30, 2014;
	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].
(b) all applica model, design substitute, re in the United patents (inclu applications s	the entire worldwide right, title, and interest in and to: (a) the APPLICATION; tions claiming priority from the APPLICATION; (c) all provisional, utility, utility in, divisional, continuation, continued prosecution, continuation-in-part, newal, and other applications related thereto which have been or may be filed States or elsewhere in the world related to the SUBJECT MATTER; (d) all iding reissues, re-examinations, and extensions) which may be granted on the et forth in (a), (b), and (c) above; and (e) all right of priority in the and in any underlying provisional or foreign application, together with all

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

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rights to recover damages for infringement of provisional rights.

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:

lerenny Jane 2015-1-9

entor Name: **Jeremy Samuel Cooper**

Date

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