PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5177584

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARKO ALEKSIC	03/21/2011
BRIAN S. LEIBOWITZ	03/24/2011

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:	15720401

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

TTORNEY DOCKET NUMBER: RA938.C1C1C1.US	
NAME OF SUBMITTER:	TAMMY FRIEDMAN
SIGNATURE:	/TAMMY FRIEDMAN/
DATE SIGNED:	10/08/2018

Total Attachments: 3

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PATENT 505130822 REEL: 047093 FRAME: 0654

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Marko Aleksic Brian S. Leibowitz

every reissue or extensions of any of said patents.

127A Brenton Court, Mountain View, CA 94043 425 14th Street, Apt. 4, San Francisco, CA 94103

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

INTEGRATED CIRCUIT HAVING A CLOCK DESKEW CIRCUIT THAT INCLUDES AN INJECTION-LOCKED OSCILLATOR

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention: Said application having Application Number 61/448,885 and filed on 03 March 2011; and WHEREAS, RAMBUS INC. a corporation of the State of Delaware, having a place of business at 1050 Enterprise Way, Suite 700, Sunnyvale, CA 94089, (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 Inventor(s) (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 Inventor(s) to have been received in full from said Assignee: Said Inventor(s) 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; (c) 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

2. Said Inventor(s) 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 Inventor(s) 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; (c) 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

PATENT REEL: 047093 FRAME: 0655 said Inventor(s) 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 Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) 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.

Marko Aleksic

3/21/2011

Date

V. JERCHA
COMM. #1860235 z
Notary Public - California San Mateo County
My Comm. Expires Aug. 6, 2013 f

State of CALIFORNIA

County of SANTA CLARA

On. 3/3/1/2011, before me, V. Jercha personally appeared Marko Aleksic,

who 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 of Notary Public)

		State of CALIFORNIA)
1,00		County of SANTA CLARA)
Brian C	. Leibowitz	— On3/24/2011, before me, <u>V. Jercha</u>
Dimiro	. LEIOUWIIZ	personally appeared Brian S. Leibowitz,
	entra de la companya	who proved to me on the basis of satisfactory evidence to be the
~ ·	1 11 11 11 11 11	person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized
	24/2011	capacity, and that by his signature on the instrument the person,
Date		or the entity upon behalf of which the person acted, executed the instrument.
		I certify under PENALTY OF PERJURY under the laws of th
	V. JERCHA	State of California that the foregoing paragraph is true and correct
	5/MS-24/MA COMM. #1860235	B WITNESS my hand and official seal.
	Notary Public - Californi San Mateo County	WITNESS my hand and official seal.
	My Comm. Expires Aug. 6, 20	
		(Signature of Notary Public)
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		On , before me,
		personally appeared, 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
Date		and acknowledged to me that he/she/they executed the same in
		his/her/their authorized capacity(ics), 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 of Notary Public)

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RECORDED: 10/08/2018

PATENT REEL: 047093 FRAME: 0657