506766179 07/14/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6812996

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARTIN KRAEMER	02/12/2021
RYAN BOESCH	02/22/2021
WEI XIONG	02/16/2021

RECEIVING PARTY DATA

Name:	REDPINE SIGNALS, INC.
Street Address:	2107 N. 1ST ST.
Internal Address:	SUITE 540
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95131

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17163556

CORRESPONDENCE DATA

Fax Number: (650)494-3835

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: 6506195270

Email: jay@file-ee-patents.com
Correspondent Name: JAY A. CHESAVAGE
Address Line 1: 3833 MIDDLEFIELD RD.

Address Line 4: PALO ALTO, CALIFORNIA 95131

ATTORNEY DOCKET NUMBER:	CER-0273
NAME OF SUBMITTER:	JAY A. CHESAVAGE
SIGNATURE:	/Jay A. Chesavage/
DATE SIGNED:	07/14/2021

Total Attachments: 5

source=cer-0273_assn_all_Ryan_signed#page1.tif source=cer-0273_assn_all_Ryan_signed#page2.tif source=cer-0273_assn_all_Ryan_signed#page3.tif

PATENT 506766179 REEL: 056853 FRAME: 0920

source=cer-0273_assn_all_Ryan_signed#page4.tif source=cer-0273_assn_all_Ryan_signed#page5.tif

PATENT REEL: 056853 FRAME: 0921

ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Martin KRAEMER
- 2) Ryan BOESCH
- 3) Wei XIONG

(hereinafter termed "Inventor"), resident of

- 1) Mountain View, CA, US
- 2) Louisville, Colorado, US
- 3) Mountain View, CA, US

has invented certain new and useful improvements in

"Layout Structure for Shared Analog Bus in Unit Element Multiplier" (s/n 17/163,556; docket CER-0273)

and has executed concurrently herewith an application for a United States patent disclosing and identifying the invention; and

WHEREAS, "Redpine Signals Inc.", a corporation of the state of California, having a place of business at

2107 N. 1st St. Suite 540 San Jose, Ca. 95131

(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 by said inventor (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 to have been received in full from said Assignee:

- 1. Said Inventor does 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 division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extension of any of said patents.
- 2. Said Inventor hereby jointly and severally covenant and agrees 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 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 of 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 opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

Assignment under 37 CFR 3.31

1

- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representative, and shall be binding upon said Inventor, their respective heirs, legal representatives and assigns.
- 4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

Said inventor has executed and delivered this instrument to said Assignee this day of FEB, 2021

(1) Martin Kraemer

(Inventor signature) City, Province/State where signed Mountain View (4 Witnessed by ___ (witness signature) (printed witness name) Said inventor has executed and delivered this instrument to said Assignee this ___ day of _____, ____ (Inventor signature) City, Province/State where signed_____ Witnessed by ___ (witness signature) (printed witness name) Said inventor has executed and delivered this instrument to said Assignee this ____day of ______, _____ (Inventor signature) City, Province/State where signed Witnessed by ___ (witness signature) (printed witness name)

- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representative, and shall be binding upon said Inventor, their respective heirs, legal representatives and assigns.
- 4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

Said inventor has executed and delivered this instrument to said Assignee this

22 day of Feb , 2021

(2) Ryan Boesch

(Inventor signature)

City, Province/State where signed Lawile, CO

Witnessed by My Witness Agnature)

ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Martin KRAEMER
- 2) Ryan BOESCH
- 3) Wei XIONG

(hereinafter termed "Inventor"), resident of

- 1) Mountain View, CA, US
- 2) Louisville, Colorado, US
- 3) Mountain View, CA, US

has invented certain new and useful improvements in

"Layout Structure for Shared Analog Bus in Unit Element Multiplier" (s/n 17/163,556; docket CER-0273)

and has executed concurrently herewith an application for a United States patent disclosing and identifying the invention; and

WHEREAS, "Redpine Signals Inc.", a corporation of the state of California, having a place of business at

2107 N. 1st St. Suite 540 San Jose, Ca. 95131

(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 by said inventor (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 to have been received in full from said Assignee:

- 1. Said Inventor does 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 division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extension of any of said patents.
- 2. Said Inventor hereby jointly and severally covenant and agrees 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 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 of 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 opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3

- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representative, and shall be binding upon said inventor, their respective heirs, legal representatives and assigns.
- 4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

Said inventor has executed and delivered this instrument to said Assignee this
day of,
(1)(Inventor signature)
(inventor signature)
City, Province/State where signed
Witnessed by
Witnessed by(witness signature)
(printed witness name)
Said inventor has executed and delivered this instrument to said Assignce this
day of
(2)
(2)(Inventor signature)
City, Province/State where signed
Witnessed by
Witnessed by(witness signature)
(printed witness name)
Said inventor has executed and delivered this instrument to said Assignee this
16th day of Feb., 2021
(3) Wei Xiong (Inventor signature)
(Inventor signature)
City, Province/State where signed Mountain View, CA
Witnessed by
(witness signature) CHERYL YWOLK
(printed witness name)

2

RECORDED: 07/14/2021