

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5283259

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNEE'S NAME previously recorded on Reel 015882 Frame 0905. Assignor(s) hereby confirms the CORRECTION OF ASSIGNEE FROM "REDPINE SIGNALS CORPORATION" TO "REDPINE SIGNALS, INC".
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NARASIMHAN VENKATESH	03/19/2004
SAILAJA SDN	03/19/2004
PARTHA SARATHY MURALI	03/19/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	REDPINE SIGNALS, INC.
<b>Street Address:</b>	2107 N. 1ST ST.
<b>Internal Address:</b>	SUITE 540
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	10795817
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)494-3835
<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>	
<b>Phone:</b>	6506195270
<b>Email:</b>	jay@file-ee-patents.com
<b>Correspondent Name:</b>	JAY A. CHESAVAGE
<b>Address Line 1:</b>	3833 MIDDLEFIELD RD.
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94303
<b>ATTORNEY DOCKET NUMBER:</b>	PAT-001_CORR_REQ
<b>NAME OF SUBMITTER:</b>	JAY A. CHESAVAGE
<b>SIGNATURE:</b>	/Jay A. Chesavage/
<b>DATE SIGNED:</b>	12/13/2018
<b>Total Attachments: 13</b>	

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10-18-2004

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

RECC



102861729

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

NARASIMHAN VENKATESH  
SAILAJA S.O.N.

PARASARATHY MURALI

Execution Date(s) 3/19/2004

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

2. Name and address of receiving party(ies)

Name: REDPINE SIGNALS

Internal Address: Redpine Signals, Inc.

Street Address: 2368 B WALSH

City: SANTA CLARA,

State: CA

Country: USA Zip: 95051

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

10/795,817

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: JAY CHESA VAGE

Internal Address: \_\_\_\_\_

Street Address: 3833 MIDDLEFIELD RD

City: PALO ALTO

State: CA Zip: 94303

Phone Number: 650-619-5270

Fax Number: 650-494-3835

Email Address: PATENTS@CHESA VAGE.COM

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

9. Signature:

Jay Chesavage  
Signature

JAY CHESA VAGE  
Name of Person Signing

10-7-2004  
Date

Total number of pages including cover sheet, attachments, and documents:

5

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 015882 FRAME: 0905

ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Narasimhan Venkatesh
- 2) Sailaja Sdn
- 3) Parthasarathy Murali

(hereinafter termed "Inventors"), residents respectively of

- 1) Country of India
- 2) Country of India
- 3) (Country of India)

have invented certain new and useful improvements in

Pat-001

"All-tap Fractionally Spaced Serial Rake Combiner Apparatus and Method"

S/N 10/795817

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

Redpine Signals, Inc.

WHEREAS, ~~Redpine Signals Corporation~~, a corporation of the state of California, having a place of business at

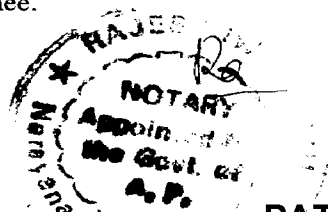
2368B Walsh  
Santa Clara, Ca. 95051

(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 Inventors 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 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 Inventors 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 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. 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 Inventors hereby jointly and severally warrant and represents that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

19 day of March, 2004

(1) N Venkatesh

(Inventor)

State of Andhra Pradesh

County of India

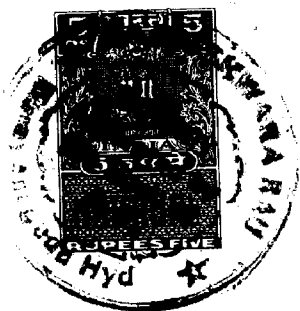
On this \_\_\_\_\_ day of \_\_\_\_\_, in the year \_\_\_\_\_, before me the undersigned Notary Public, personally appeared

(1) Narasimhan Venkatesh

\_\_\_\_ Known to me

\_\_\_\_ 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. Witness my hand and official seal.

\_\_\_\_\_  
(Notary Public)



ATTESTED  
Rajeshwara  
**RAJESHWARA N**  
ADVOCATE-NOTARY  
3 E-1094/4D,  
Venkateshwara Colony,  
Narayanaguda,  
HYDERABAD - 500 029

Sl: No.....90..... Page No:.....10.....

Date.....19 MAR 2004.....

IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

\_\_\_ day of \_\_\_, \_\_\_

(2) S. D. N. Sailaja  
(Inventor)

State of Andhra Pradesh

County of India

On this \_\_\_ day of \_\_\_, in the year \_\_\_, before me the undersigned Notary Public,  
personally appeared

(2) S. D. N. Sailaja  
\_\_\_ Known to me

\_\_\_ 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. Witness my  
hand and official seal.

\_\_\_\_\_  
(Notary Public)

ATTESTED

Rajeshwara

**RAJESSHWARA R.**  
ADVOCATE-NO1 HY  
3-5-1094/4D.  
Venkateshwara Colony,  
Narayanapada,  
HYDERABAD - 500 029

SI: No.....91... Page No...10...  
Date.....

**19 MAR 2004**

IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this  
19<sup>th</sup> day of March, 2004

(3) Ram Lal Singh  
State of Andhra Pradesh (Inventor)  
County of India

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year \_\_\_\_\_, before me the undersigned Notary Public,  
personally appeared

(3) Parthasarathy Murali  
Known to me

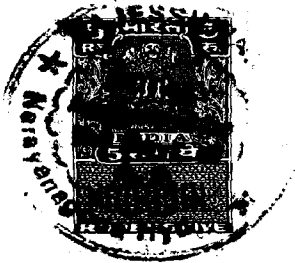
Proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within  
instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on  
the instrument the person or the entity upon behalf of which the person acted, executed the instrument. Witness my  
hand and official seal.

\_\_\_\_\_  
(Notary Public)

ATTESTED

Rajesh

**RAJESHWARA RA**  
ADVOCATE-NOTARY  
S-5-1084/4D,  
Venkateshwara Colony,  
Narayanaguda,  
HYDERABAD - 500 025



SI NO. 92 Page No. 10  
Date 19 MAR 2004

**19 MAR 2004**

- (hereinafter termed "Inventors"), residents respectively of

- have invented certain new and useful improvements in

## "All-tap Fractionally Spaced Serial Rake Combiner Apparatus and Method"

S/N 10/795817

Redpine Signals, Inc.

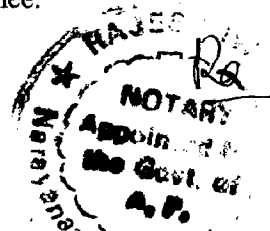
WHEREAS, ~~Redpine Signals Corporation~~, a corporation of the state of California, having a place of business at

(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.

1. Said Inventors 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 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 Inventors 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 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

PATENT  
REEL: 015882 FRAME: 0910  
REEL: 047873 FRAME: 0910



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 Inventors hereby jointly and severally warrant and represents that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

19 day of March, 2004

(1) N. Venkatesh

(Inventor)

State of Andhra Pradesh

County of India

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year \_\_\_\_\_, before me the undersigned Notary Public, personally appeared

(1) Narasimhan Venkatesh

\_\_\_\_ Known to me

\_\_\_\_ 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. Witness my hand and official seal.

\_\_\_\_\_  
(Notary Public)

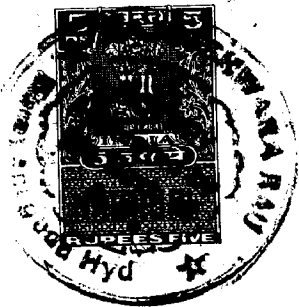
ATTESTED

Rajeshwara

**RAJESHWARA RA**  
ADVOCATE-NOTARY  
3-5-1094/4D,  
Venkateshwara Colony,  
Narayanaguda,  
HYDERABAD - 500 029

Sl: No.....90.. Page No:.....10..

Date.....19 MAR 2004.....



IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

(2) S. D. N. Sailaja  
(Inventor)

State of Andhra Pradesh

County of India

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year \_\_\_\_\_, before me the undersigned Notary Public,  
personally appeared

(2) S. D. N. Sailaja  
Known to me

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. Witness my  
hand and official seal.

\_\_\_\_\_  
(Notary Public)

ATTESTED

*Rajeshwara*

**RAJESSHWARA R.**  
ADVOCATE-NOTARY  
3-5-1094/4D.  
Venkateshwara Colony,  
Narayanapada,  
HYDERABAD - 500 029

Sl: No.....91... Page No...10...

Date.....

**19 MAR 2004**

IN WITNESS WHEREOF, the said inventor has executed and delivered this instrument to said Assignee this

19<sup>th</sup> day of March, 2004

(3) Rajesh  
(Inventor)

State of Andhra Pradesh

County of India

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year \_\_\_\_\_, before me the undersigned Notary Public, personally appeared

(3) Parthasarathy Murali

Known to me

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. Witness my hand and official seal.

\_\_\_\_\_  
(Notary Public)

ATTESTED

Rajesh

**RAJESSHWARA RA**  
ADVOCATE-NOTARY  
3-5-1094/4D,  
Venkateshwara Colony,  
Narayanaguda,  
HYDERABAD - 500 028

ST. NO. 92 Page No. 10  
Date.....

**19 MAR 2004**