

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5273340

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNEE'S NAME previously recorded on Reel 021791 Frame 0094. 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>
DHARANI NAGA SAILAJA SANKABATHULA	10/16/2008
PARTHA SARATHY MURALI	10/16/2008
LOGESHWARAN VIJAYAN	10/24/2008
NAGARAJA REDDY ANAKALA	10/24/2008
<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>
<b>Application Number:</b>	12211324
<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-111-CORR_REQ
<b>NAME OF SUBMITTER:</b>	JAY A. CHESAVAGE
<b>SIGNATURE:</b>	/Jay A. Chesavage/
<b>DATE SIGNED:</b>	12/09/2018

**Total Attachments: 13**

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**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dharani Naga Sailaja SANKABATHULA</td> <td>10/16/2008</td> </tr> <tr> <td>Partha Sarathy MURALI</td> <td>10/16/2008</td> </tr> <tr> <td>Logeshwaran VIJAYAN</td> <td>10/24/2008</td> </tr> <tr> <td>Nagaraja Reddy ANAKALA</td> <td>10/24/2008</td> </tr> </tbody> </table>		Name	Execution Date	Dharani Naga Sailaja SANKABATHULA	10/16/2008	Partha Sarathy MURALI	10/16/2008	Logeshwaran VIJAYAN	10/24/2008	Nagaraja Reddy ANAKALA	10/24/2008
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Logeshwaran VIJAYAN	10/24/2008										
Nagaraja Reddy ANAKALA	10/24/2008										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Redpine Signals Corporation										
<b>Street Address:</b>	2107 N. 1st St.										
<b>Internal Address:</b>	Suite 680										
<b>City:</b>	San Jose										
<b>State/Country:</b>	CALIFORNIA										
<b>Postal Code:</b>	95131										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12211324</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12211324						
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<b>Fax Number:</b>	(650)494-3835										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	650-619-5270										
<b>Email:</b>	patents@chesavage.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>NAME OF SUBMITTER:</b>	Jay A. Chesavage										

OP \$40.00 12211324

Total Attachments: 8  
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**PATENT**  
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ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Dharani Naga Sailaja SANKABATHULA
- 2) Partha Sarathy MURALI
- 3) Logeshwaran VIJAYAN
- 4) Nagaraja Reddy ANAKALA

(hereinafter termed "Inventor"), resident of

- 1) San Jose, CA, US
- 2) San Jose, CA, US
- 3) Chennai, India
- 4) Hyderabad, India

has invented certain new and useful improvements in

"Process for Packet Detection" PAT-111 s/n 12/211,324

and has 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

2107 N. 1st St.  
Suite 680  
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

Assignment under 37 CFR 3.31 (PAT-111 12/211,324)

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 Inventor hereby warrants and represents that he has 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

16<sup>th</sup> day of October, 2008

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

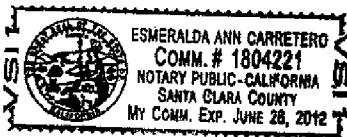
State of CALIFORNIA

County of SANTA CLARA

On this 16<sup>th</sup> day of October, in the year 2008, before me the undersigned Notary Public, personally appeared

(1) DIARANI NAGIA SAILAJA SANKARATHULA  
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.



Esmeralda Carretero  
(Notary Public)

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

16<sup>th</sup> day of OCTOBER 2008

(2) [Signature]  
(Inventor)

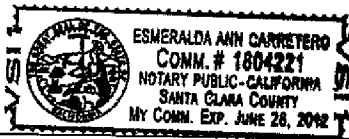
State of CALIFORNIA

County of SANTA CLARA

On this 16<sup>th</sup> day of OCTOBER, in the year 2008, before me the undersigned Notary Public, personally appeared

(2) PARTHA SARATHY 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.



[Signature]  
(Notary Public)

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

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

(3) \_\_\_\_\_  
(Inventor)

State of \_\_\_\_\_

County of \_\_\_\_\_

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

(3) \_\_\_\_\_  
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)

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

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

(4) \_\_\_\_\_  
(Inventor)

State of \_\_\_\_\_

County of \_\_\_\_\_

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

(4) \_\_\_\_\_

\_\_\_ 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)



ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Dharani Naga Sailaja SANKABATHULA
- 2) Partha Sarathy MURALI
- 3) Logeshwaran VIJAYAN
- 4) Nagaraja Reddy ANAKALA

(hereinafter termed "Inventor"), resident of

- 1) San Jose, CA, US
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"Process for Packet Detection" PAT-111 s/n 12/211,324

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

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2107 N. 1st St.  
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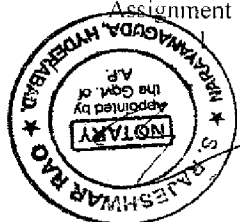
(hereinafter termed "Assignee"), is desirous of acquiring the entire right, title, and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said inventor (all collectively hereinafter termed "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

Assignment under 37 CFR 3.31 (PAT-111 12/211,324)



PATENT  
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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 Inventor hereby warrants and represents that he has 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

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

(I) \_\_\_\_\_ (Inventor)

State of \_\_\_\_\_

County of \_\_\_\_\_

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

(I) \_\_\_\_\_

\_\_\_\_ 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.

**ATTESTED**

(Notary Public)

*S. Rajeshwar Rao*  
B.Sc., LL.B.

ADVOCATE & NOTARY

3-5-10/10th, Arundelachwara Colony  
Narasimharao, Hyderabad - 500 026

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

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

(2) \_\_\_\_\_  
(Inventor)

State of \_\_\_\_\_

County of \_\_\_\_\_

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

(2) \_\_\_\_\_

\_\_\_ 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.

*α*

(Notary Public)

**ATTESTED**

*S. Rajeshwar Rao*  
B.Sc., LL.B.

ADVOCATE & NOTARY

3-5-1094/4D, Venkateshwara Colony,  
Narayanaguda, Hyderabad - 500 029

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

24 day of Oct, 2008

(3) *V. Logeshwarany*  
(Inventor)

State of \_\_\_\_\_

County of \_\_\_\_\_

On this 24 day of Oct, in the year 2008, before me the undersigned Notary Public, personally appeared

(3) \_\_\_\_\_

\_\_\_ 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.

*α*

(Notary Public)

**ATTESTED**

*S. Rajeshwar Rao*  
B.Sc., LL.B.

ADVOCATE & NOTARY

3-5-1094/4D, Venkateshwara Colony,  
Narayanaguda, Hyderabad - 500 029

Assignment under 37 CFR 3.31 (PAT-III 12/211,324)

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

24 day of OCT, 2008

(4) *Arjun Reddy*  
(Inventor)

State of \_\_\_\_\_

County of \_\_\_\_\_

On this 24 day of OCT, in the year 2008, before me the undersigned Notary Public, personally appeared

(4) \_\_\_\_\_

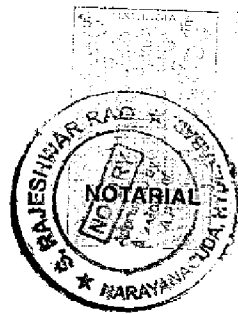
\_\_\_\_\_ Known to me

\_\_\_\_\_ 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.

**ATTESTED**

*Rajesh*  
(Notary Public) *S. Rajeshwar Rao*  
B.Sc., LL.B

ADVOCATE & NOTARY  
3-5-109440, Venkateshwara Colony,  
Narayana Nagar, Hyderabad - 500 029



24 OCT 2008

Assignment under 37 CFR 3.31 (PAT-111 12/211,324)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

The Commissioner of Patents and Trademarks

Washington D.C. 20231

5

Affidavit for Corrective Assignment under MPEP 323.01(b)

Redpine Signals, Inc. hereby asserts that it is the true  
owner of the following patents and patent applications  
10 assigned erroneously to "Redpine Signals", "Redpine Signals  
Corporation", and "Redpine Signals Corp", as listed below:

1) Erroneous Assignee "Redpine Signals" which will be  
corrected to "Redpine Signals, Inc" in the accompanying  
15 assignment:

s/n	Docket Number
10/727,190	PAT-006
11/899,557	PAT-006C
11/874,913	PAT-017
10/743,576	PAT-007

2) Erroneous Assignee "Redpine Signals Corporation" which will be corrected to "Redpine Signals, Inc" in the accompanying assignment:

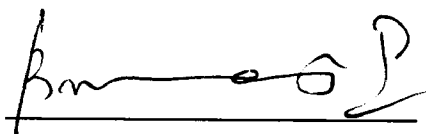
s/n	Docket Number
10/817,547	PAT-010
12/024,748	PAT-080
12/024,804	PAT-067
12/680,620	PAT-002
11/803,809	PAT-088
11/803,909	PAT-089
11/804,166	PAT-090
12/134,851	PAT-101
12/146,444	PAT-107
12/146,446	PAT-053
12/211,301	PAT-112
12/211,324	PAT-111
12/211,337	PAT-034
12/211,352	PAT-111
12/264,904	PAT-134
13/286,953	PAT-164

5

3) Erroneous Assignee "Redpine Signals Corp" which will be corrected to "Redpine Signals, Inc" in the accompanying assignment:

s/n	Docket Number
12/680,620	PAT-002
12/144,850	PAT-086
12/680,660	PAT-005
10/934,275	PAT-003
10/934,276	PAT-008
11/438,999	PAT-013
11/439,000	PAT-014
11/441,596	PAT-012
11/453,655	PAT-015
11/515,314	PAT-019
11/801,786	PAT-042
11/982,614	PAT-099

5 Redpine Signals, Inc. asserts that it is the true owner of the above patents and patent applications.



12/06/2018

by Mallik Reddy

Date

10

Sy Executive VP

Redpine Signals, Inc