

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5283271

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE'S NAME previously recorded on Reel 021761 Frame 0640. Assignor(s) hereby confirms the CORRECTION OF ASSIGNEE FROM "REDPINE SIGNALS CORPORATION" TO "REDPINE SIGNALS, INC".												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>DHARANI NAGA SAILAJA SANKABATHULA</td><td>10/22/2008</td></tr><tr><td>PARTHA SARATHY MURALI</td><td>10/22/2008</td></tr><tr><td>VENKAT MATTELA</td><td>01/21/2008</td></tr></tbody></table>	Name	Execution Date	DHARANI NAGA SAILAJA SANKABATHULA	10/22/2008	PARTHA SARATHY MURALI	10/22/2008	VENKAT MATTELA	01/21/2008					
Name	Execution Date												
DHARANI NAGA SAILAJA SANKABATHULA	10/22/2008												
PARTHA SARATHY MURALI	10/22/2008												
VENKAT MATTELA	01/21/2008												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>REDPINE SIGNALS, INC.</td></tr><tr><td>Street Address:</td><td>2107 N. 1ST ST.</td></tr><tr><td>Internal Address:</td><td>SUITE 540</td></tr><tr><td>City:</td><td>SAN JOSE</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95131</td></tr></table>	Name:	REDPINE SIGNALS, INC.	Street Address:	2107 N. 1ST ST.	Internal Address:	SUITE 540	City:	SAN JOSE	State/Country:	CALIFORNIA	Postal Code:	95131	
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													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11945136</td></tr></tbody></table>	Property Type	Number	Application Number:	11945136									
Property Type	Number												
Application Number:	11945136												
CORRESPONDENCE DATA													
Fax Number:	(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>													
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 94303												
NAME OF SUBMITTER:	JAY A. CHESAVAGE												
SIGNATURE:	/Jay A. Chesavage/												
DATE SIGNED:	12/13/2018												
Total Attachments: 12													
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PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Partha Sarathy MURALI	10/22/2008
Venkat Mattela	01/21/2008
Dharani Naga Sailaja SANKABATHULA	12/15/2007
RECEIVING PARTY DATA	
Name:	Redpine Signals, Inc.
Street Address:	2107 N. 1st St.
Internal Address:	Suite 680
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95131
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11945136
CORRESPONDENCE DATA	
Fax Number:	(650)494-3835
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	650-619-5270
Email:	patents@chesavage.com
Correspondent Name:	Jay A. Chesavage
Address Line 1:	3833 Middlefield Rd.
Address Line 4:	Palo Alto, CALIFORNIA 94303
NAME OF SUBMITTER:	Jay A. Chesavage
Total Attachments: 7 source=assn_rssi_scan#page1.tif source=assn_rssi_scan#page2.tif source=assn_rssi_scan#page3.tif	

OP \$40.00 11945136

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PATENT
REEL: 021873 FRAME: 0640

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ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Dharani Naga Sailaja Sankabathula
- 2) Partha Sarathy Murali
- 3) Venkat Mattela

(hereinafter termed "Inventor"), resident of

- 1) County of Santa Clara, California
- 2) County of Santa Clara, California
- 3) County of Santa Clara, California

has invented certain new and useful improvements in

PAT-016 s/n 11/945,136

" RSSI-Based Powerdown Apparatus and Method for a Wireless Communications System "

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 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

22nd day of October, 2008

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

State of CALIFORNIA

County of SANTA CLARA

On this 22nd day of October, in the year 2008, before me the undersigned Notary Public, personally appeared

(1) DHARANI NAMA SAILAJA SANKABATHULA

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 Carrutero
(Notary Public)

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

22nd day of October, 2008

(2) Martinez
(Inventor)

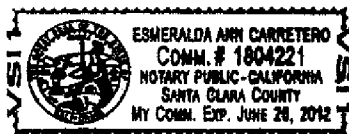
State of CALIFORNIA

County of SANTA CLARA

On this 22nd day of October, in the year 2008, before me the undersigned Notary Public, personally appeared

(2) PARTHA SARATHY MURALT
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

____ 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)

ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Dharani Naga Sailaja Sankabathula
- 2) Partha Sarathy Murali
- 3) Venkat Mattela

(hereinafter termed "Inventor"), resident of

- 1) County of Santa Clara, California
- 2) Country of India
- 3) County of Santa Clara, California

has invented certain new and useful improvements in

PAT-016 s/n 11/945,136

" RSSI-Based Powerdown Apparatus and Method for a Wireless Communications System "

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 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

15th day of Dec, 2007

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

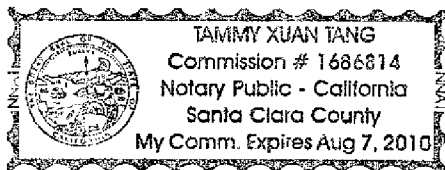
State of California

County of Santa Clara

On this 15th day of December, in the year 2007, before me the undersigned Notary Public, personally appeared

(1) Dharani Naga Sailaja Sankabathula
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 _____,

(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.

(Notary Public)

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

21st day of January, 2008

(3) Venkat Mattela
(Inventor)

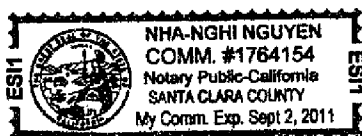
State of California

County of Santa Clara

On this 21st day of January, ^{NJ} ~~2008~~, in the year 2008, before me the undersigned Notary Public, personally appeared

(3) Venkat Mattela
____ 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)

ACKNOWLEDGMENT

State of California

County of Santa Clara

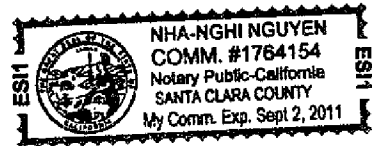
On 1/21/2008 before me, Nha-Nghi Nguyen (Notary Public)
(insert name and title of the officer)

personally appeared Venkat Mattela,
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 and acknowledged to me that he/~~she~~/they executed the same in
his/~~her~~/their authorized capacity(ies), 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  (Seal)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

The Commissioner of Patents and Trademarks

Washington D.C. 20231

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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 Corporation", as
listed below:

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

s/n	Docket Number
10/795,817	PAT-0001
10/448,639	PAT-0004
11/226,620	PAT-0011
11/945,136	PAT-0016
11/825,832	PAT-0023
12/368,431	PAT-0025
12/134,215	PAT-0045
12/145,514	PAT-0046

12/185,688	PAT-0050
12/134,204	PAT-0076
12/185,733	PAT-0081
12/880,095	PAT-0086C
11/731,718	PAT-0087
12/197,229	PAT-0093
12/324,835	PAT-0096
12/144,853	PAT-0102
12/197,230	PAT-0114
12/134,213	PAT-0115
12/197,234	PAT-0118
12/197,232	PAT-0119
12/326,196	PAT-0120
12/327,395	PAT-0121
12/185,648	PAT-0123
12/185,741	PAT-0124
13/114,009	PAT-0141
13/284,891	PAT-0144
13/277,782	PAT-0145
13/284,899	PAT-0146
13/278,456	PAT-0150
13/278,436	PAT-0152
13/783,277	PAT-0165
13/783,275	PAT-0167
14/176,127	PAT-0171
29/504,880	PAT-0171D
14/311,261	PAT-0172
29/504,857	PAT-0189
14/829,530	PAT-0194
14/829,550	PAT-0195

14/721,965	PAT-0196
15/485,492	PAT-0198
15/277,324	PAT-0203

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

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 12/13/2018

by Mallik Reddy

Date

Sr. Executive VP

Redpine Signals, Inc