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

9-21-06

1. Name of conveying party(ies)

PARTHA SARATHY MURALI
CHANDRA SEKHAR PONNAMANNA VEKATA
DHARANI NADA SALLATA SANKA BATHULA
SATYA RAO

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

2. Name and address of receiving party(ies)

Name: REDPINE SIGNALS CORP

Internal Address: _____

Street Address: 2107 N. 1ST ST

SUITE 680

City: SAN JOSE

State: CA

Country: USA Zip: 95131

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)

11/453,655

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: JAY CHESAVALG

Internal Address: _____

Street Address: 3833 MIDDLEFIELD

City: PALO ALTO

State: CA Zip: 94303

Phone Number: 650-619-5270

Fax Number: 650-494-3835

Email Address: PATENTS@CHESAVALG.COM

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 90.-

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 Chesavalg Signature

9/26/06 Date

JAY CHESAVALG
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 1

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mails to Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

09/25/2006 DBYRNE

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ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Partha Sarathy Murali
- 2) Chandra Sekhar Ponnamanda Venkata
- 3) Dharani Naga Sailaja Sankabathula
- 4) Satya Rao

(hereinafter termed "Inventor"), resident of

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

has invented certain new and useful improvements in

"SINR-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

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

ATTESTED

Assignment under 37 CFR 3.31

N. Kotewara Rao
NOTARY
N. KOTESWARA RAO

PATENT
REEL: 018327 FRAME: 0137

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

12 day of Sep, 2006

(1) N. Koteswara Rao
(Inventor)

State of Andhra Pradesh

County of INDIA

On this 12 day of September, in the year 2006, before me the undersigned Notary Public, personally appeared

(1) _____

____ 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

NOTARY
N. KOTESWARA RAO

BABL

Advocate-(Ex) Govt. Pleader

Beside Vinayaka Ground,

SANATH NAGAR, HYDRABAD-A.P.

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

12 day of Sep, 2006

(2) [Signature]
(Inventor)

State of Andhra Pradesh

County of INDIA

On this 12 day of September, in the year 2006, 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.

ATTESTED

[Signature]
NOTARY
(Notary Public)
N. KOTESWARA RAO
BABL

Advocate - (Ex) Govt. Pleader

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

SANATH NAGAR, HYDERABAD-50

12 day of Sep, 2006

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

State of Andhra Pradesh

County of INDIA

On this 12 day of September, in the year 2006, 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.

ATTESTED



(Notary Public)
[Signature]
NOTARY
N. KOTESWARA RAO
BABL

Advocate - (Ex) Govt. Pleader
Beside Vinayaka Ground,
SANATH NAGAR, HYDERABAD-50

Assignment under 37 CFR 3.31

PATENT

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

12 day of Sep, 2006

(4) K Sathyanarayana Rao
(Inventor)

State of Andhra Pradesh

County of INDIA

On this 12 day of September, in the year 2006, 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)

ATTESTED

N. Koteswara Rao
NOTARY
N. KOTESWARA RAO
B.A.B.L.,
Advocate - (Ex) Govt. Pleader
Beside V. Jayaram Ground,
SANATHALAHARIBAD HYDERABAD - A.P.