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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.

9-26-06

1. Name of conveying party(ies)
SUNDARAM VARMA
PHANIMITHA GANAPATHI
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: RESPINE SIGNALS CORP.
Internal Address: _____

3. Nature of conveyance/Execution Date(s):
Execution Date(s) 9/12/2006
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

Street Address: 2107 N. 1ST ST
SUITE 680
City: SAN JOSE, CA
State: CA
Country: _____ Zip: 95131
Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):
A. Patent Application No.(s)
U/441,596

This document is being filed together with a new application.
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: JAY CHESAVALGE
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: PATEATS@CHESAVALGE.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 Chesavale Signature 9/18/2006 Date
JAY CHESAVALGE 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:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

09/25/2006 DBYRNE 00000217 11441596
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ASSIGNMENT UNDER 37 CFR 3.31

Whereas, the undersigned

- 1) Sundaram Vanka
- 2) Phanimithra Gangalakurthi

(hereinafter termed "Inventor"), resident of

- 1) Country of India
- 2) Country of India

has invented certain new and useful improvements in

"A Reed-Solomon decoder using a Configurable Arithmetic Processor"

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 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

ATTESTED

NOTARY
N. KOTESWARA RAO
BABL
Advocate - (Ex) Govt. **PATENT**

REEL: 018327 FRAME: 0142

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

12th day of September, 2006

(1) SUNDARAM VANUKA

(Inventor)

State of ANDHRA PRADESH

County of INDIA

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

(1) Y. Sundaram

____ 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)

NOTARY
N. KOTESWARA RAO

BABL

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

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

¹⁰
12 day of September 2006

(2) PHANIMITHRA GANGALAKURTHI
(Inventor)

State of ANDHRA PRADESH

County of INDIA

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

(2) phanimithra
_____ 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
BABL
Advocate-(Ex) Govt. Pleader
Beside Vinayaka Ground,
SANATH NAGAR, HYDERABAD-A.P.

No. 1515
Date 13 SEP 2006