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PATENTS ONLY**

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

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 Guruswami M. Sridharan;
 Kartik M. Sridharan

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

2. Name and address of receiving party(ies)
 Name: Ashvattha Semiconductor, Inc.
 Internal Address: _____

 Street Address: 9591 Webles Street

 City: San Diego State: California Zip: 92121

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: June 12, 2002

4. Application number(s) or patent number(s):
 If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
09/715,632 Filed: November 18, 2000
09/715,502 Filed: November 18, 2000

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Stephen Cannavale
 Internal Address: Goodwin Procter LLP

 Street Address: 7 Becker Farm Road

 City: Roseland State: NJ Zip: 07068

6. Total number of applications and patents involved: 2

7. Total fee (37 CFR 3.41).....\$ 80.00

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
06-0923

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Stephen Cannavale (Reg. No.44,585) *Stephen Cannavale* June 12, 2002
 Name of Person Signing Signature Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT OF RIGHTS: PATENT APPLICATION

WHEREAS, WE,
Guruswami M. Sridharan
Kortik M. Sridharan

Inventor's Name

ASSIGNORS, citizens respectively of
India
India

Country

residing respectively at
4460 Calle Mar de Armonia, San Diego, CA 92130
Same as above.

Home Addresses

are the inventors of the invention in System and Method for Directly Modulating a Voltage Controlled Oscillator for Use in Frequency/Phase Modulated Systems
Title of Application

- " for which an application for a United States Patent was filed on 11/18/00, Serial no. 09/715,632.
- " for which an application for a United States Patent was executed on _____, and

WHEREAS, Ashvanta Semiconductor Inc, 9591 Wables Street, San Diego California, ASSIGNEE is desirous of
Name and Address of Assignee
obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said **ASSIGNORS**, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **ASSIGNEE**, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said **ASSIGNEE**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, or will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said **ASSIGNEE**, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal

ASSIGNMENT OF RIGHTS: PATENT APPLICATION

WHEREAS, WE,
Guruswami M. Sridharan
Kartik M. Sridharan

Inventor's Name

ASSIGNORS, citizens respectively of
India
India

Country

residing respectively at
4460, Calle Mar De Armonia, San Diego, CA 92131
same as above.

Home Address

are the inventors of the invention in System and Method for Receiving and Processing GPS and Wireless Signals
Title of Application

- " for which an application for a United States Patent was filed on 11/18/00, Serial no. 09/715,502,
- " for which an application for a United States Patent was executed on _____, and

WHEREAS, Ashvattha Semiconductor Inc, 9591 Webles Street, San Diego California, ASSIGNEE is desirous of

obtaining the entire right, title and interest in, to and under this said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said **ASSIGNORS**, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **ASSIGNEE**, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said **ASSIGNEE**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, or will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said **ASSIGNEE**, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful

oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date: June 12 2002
Date: June 12 2002
Date: _____ 2002

[Handwritten Signature]
Signature
[Handwritten Signature]
Signature

Signature