

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Clifton A Alferness	09/28/1998
Jai Shankar Raman	10/28/1998
John Melmouth Power	10/26/1998

RECEIVING PARTY DATA

Name:	Acorn Cardiovascular, Inc.
Street Address:	601 Campus Drive
City:	St. Paul
State/Country:	MINNESOTA
Postal Code:	55112

PROPERTY NUMBERS Total: 10

Property Type	Number
Patent Number:	6537203
Patent Number:	6896652
Patent Number:	7022064
Patent Number:	6997865
Patent Number:	7153258
Patent Number:	7025719
Patent Number:	7651461
Patent Number:	7578784
Application Number:	12633434
Application Number:	12719553

CORRESPONDENCE DATA

Fax Number: (858)792-8946

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

PATENT

REEL: 026547 FRAME: 0969

501586152

OP \$400.00 6537203

Phone: 8587928211
Email: sd-ip@nathlaw.com
Correspondent Name: Laurie Axford
Address Line 1: 2794 Gateway Road
Address Line 2: The Nath Law Group
Address Line 4: Carlsbad, CALIFORNIA 92009

ATTORNEY DOCKET NUMBER:

93021G

NAME OF SUBMITTER:

Brooks Gifford III

Total Attachments: 6

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**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MARCH 22, 1999

PTAS

MERCHANT, GOULD, SMITH, EDELL ET AL
JAMES R. CHIAPETTA
3100 NORWEST CENTER
90 SOUTH SEVENTH STREET
MINNEAPOLIS, MN 55402-4131



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RECORDATION DATE: 12/04/1998

REEL/FRAME: 9622/0650
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
ALFERNESS, CLIFTON A.

DOC DATE: 09/28/1998

ASSIGNOR:
RAMAN, JAI SHANKAR

DOC DATE: 10/28/1998

ASSIGNOR:
POWER, JOHN MELMOUTH

DOC DATE: 10/26/1998

ASSIGNEE:
ACORN CARDIOVASCULAR, INC.
601 CAMPUS DRIVE
ST. PAUL, MINNESOTA 55112

SERIAL NUMBER: 09114510
PATENT NUMBER:

FILING DATE: 07/13/1998
ISSUE DATE:

RECEIVED

APR 01 1999

MERCHANT & GOULD
MINNEAPOLIS, MN 55402

PATENT
REEL: 026547 FRAME: 0971

9622/0650 PAGE 2 .

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

12-10-1998

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

M&G-11998.5US01

RECORD 1
PU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100916479

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

1. Name of conveying party(ies):

Clifton A. Alferness
Jai Shankar Raman
John Melmouth Power

2. Name and address of receiving party(ies):

Acorn Cardiovascular, Inc.
601 Campus Drive
St. Paul, MN 55112Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ NoAdditional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: September 28, 1998; October 26, 1998; and
October 28, 1998

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)

09/114,510

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence concerning
document should be mailed:Name: James R. Chiapetta
Address: Merchant, Gould, Smith, Edell,
Welter & Schmidt
3100 Norwest Center
90 South Seventh Street
Minneapolis, MN 55402-4131

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Please charge any additional fees or credit any
overpayments to our Deposit account number: 13-2725

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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.

James R. Chiapetta

Name of Person Signing

Signature

December 1, 1998

Date

Total number of pages including cover sheet, attachments, and document: 4

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Washington, D.C. 20231Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the
document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S.
Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork
Reduction Project (0651-0011), Washington, D.C. 20503.

12/09/1998 SBRHS 00000162 09114510

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PATENT
REEL: 026547 FRAME: 0973

ASSIGNMENT

WHEREAS, we, Clifton A. Alferness, residing at 9010 258th Avenue NE, Redmond, Washington 98053, Jai Shankar Raman, residing at 30 The Boulevard, North Baldwyn, Victoria 3104, Australia and John Melmouth Power, residing at 65 Hannan Street, Williamstown, Victoria 3016, Australia, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on July 13, 1998, application Serial No. 09/114,510 which is entitled CARDIAC DISEASE TREATMENT AND DEVICE.

AND WHEREAS, Acorn Cardiovascular, Inc., a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 651 Campus Drive, St. Paul, Minnesota 55112 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

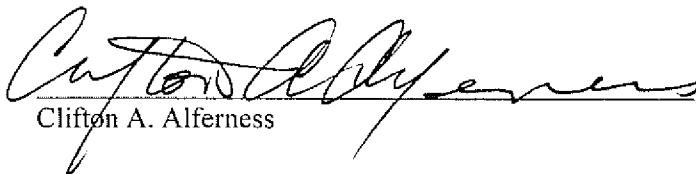
NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and

the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

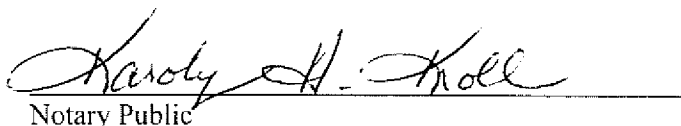
IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of Sept, 1998.

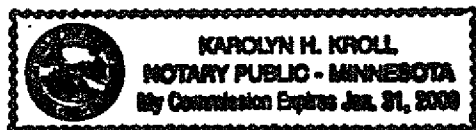

Clifton A. Alferness

STATE OF Minnesota)
COUNTY OF Isanti) ss.

On this 28 day of Sept, 1998, before me personally appeared Clifton A. Alferness to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]


Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand this 28th day of
OCTOBER, 1998.

Jai Shankar Raman
Jai Shankar Raman

STATE OF VICTORIA)
COUNTY OF AUSTRALIA) ss.

On this 28th day of October, 1998, before me personally appeared Jai Shankar Raman to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL] VANDANA HERUR
BARRISTER AND SOLICITOR
OF THE SUPREME COURT
OF VICTORIA Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26 day of
October, 1998.

John Melmouth Power
John Melmouth Power

STATE OF VICTORIA)
COUNTY OF AUSTRALIA) ss.

On this 26th day of October, 1998, before me personally appeared John Melmouth Power to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL] JACINTA DWYER
BARRISTER AND SOLICITOR
OF THE SUPREME COURT
OF VICTORIA Notary Public