

07-15-2002

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FORM PTO-1595  
1-31-92N FORM COVER SHEET  
ENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

102154909

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

## 1. Name of conveying party(ies):

JASON J. HWANG  
MARC L. SPECK  
HANH V. HOANG

07/10/02

Additional name(s) of conveying party(ies) attached? NO

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

Name: Advanced Cardiovascular Systems, Inc.

Internal Address: \_\_\_\_\_

Street Address: 3200 Lakeside Drive

City Santa Clara State CA ZIP 95054-2807Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_

Execution Dates: June 6, 2002; June 7, 2002 and June 10, 2002

## 4. Application number(s) or patent number(s):

10/186769

If this document is being filed together with a new application, the execution date of the application is: June 6, 2002; June 7, 2002 and June 10, 2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: FULWIDER PATTON LEE &amp; UTECHT, LLP

Internal Address: Howard Hughes Center, Tenth Floor

Street Address: 6060 Center Drive

City: Los Angeles State: CA Zip: 90045

## 6. Total number of applications and patents involved: One (1)

7. Total fee (37 CFR 3.41):...\$ 40.00☒ Enclosed☒ Any deficiency/overpayment is authorized to be charged to deposit account

8. Deposit account number: 06-2425

07/15/2002 DBYRNE 00000019 10186769

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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.*GUNTHER O. HANKE  
Name of Person Signing

Signature

July 1, 2002  
Date

Total number of pages including cover sheet, attachments and document: 6

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

JC971 U.S. PTO  
10/186769PATENT  
REEL: 013072 FRAME: 0860

## ASSIGNMENT

This Assignment made by Jason J. Hwang of Seattle, Washington; Marc L. Speck of Temecula, California and Hanh V. Hoang of San Jose, California; Assignors, to ADVANCED CARDIOVASCULAR SYSTEMS, INC., a California corporation, Assignee, having a place of business at 3200 Lakeside Drive, Santa Clara, California 95054-2807.

WHEREAS, Assignors have invented a new and useful **COIL REINFORCED CATHETER INNER TUBULAR MEMBER**, for which an application for United States Letters Patent has been executed by them this day; and

WHEREAS, Assignors believe themselves to be the original, first and joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign and transfer to Assignee, the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their legal representative(s) and assigns will do all lawful acts, including

Docket No. ACSC 60364 (2809)

the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment on the dates written herein below.

Assignors:

Date: June 6, 2002

  
JASON J. HWANG

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
MARC L. SPECK

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
HANH V. HOANG

## ASSIGNMENT

This Assignment made by Jason J. Hwang of Seattle, Washington; Marc L. Speck of Temecula, California and Hanh V. Hoang of San Jose, California; Assignors, to ADVANCED CARDIOVASCULAR SYSTEMS, INC., a California corporation, Assignee, having a place of business at 3200 Lakeside Drive, Santa Clara, California 95054-2807.

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WHEREAS, Assignors believe themselves to be the original, first and joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign and transfer to Assignee, the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their legal representative(s) and assigns will do all lawful acts, including

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the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment on the dates written herein below.

Assignors:

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
JASON J. HWANG

Date: 6-10, 2001<sup>2</sup>

  
\_\_\_\_\_  
MARC L. SPECK

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
HANH V. HOANG

## ASSIGNMENT

This Assignment made by Jason J. Hwang of Seattle, Washington; Marc L. Speck of Temecula, California and Hanh V. Hoang of San Jose, California; Assignors, to ADVANCED CARDIOVASCULAR SYSTEMS, INC., a California corporation, Assignee, having a place of business at 3200 Lakeside Drive, Santa Clara, California 95054-2807.

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WHEREAS, Assignors believe themselves to be the original, first and joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign and transfer to Assignee, the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their legal representative(s) and assigns will do all lawful acts, including

Docket No. ACSC 60364 (2809)

the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment on the dates written herein below.

Assignors:

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
JASON J. HWANG

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
MARC L. SPECK

Date: 6-7-2002, <sup>H.H. 6-7-2002</sup>~~2001~~

Hanh Hoang  
HANH V. HOANG