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

1. Name of conveying party(ies):
   OLIN PALMER
   CHRISTOPHER T. SHEN
   ROBERT LADUCA
   LARRY J. VOSS

   Additional name(s) of conveying party(ies) attached? YES

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: 95054-2807
   Additional name(s) & address(es) attached?  Yes  No

3. Nature of Conveyance:
   ☑ Assignment  ☐ Merger
   ☐ Security Agreement  ☐ Change of Name
   ☐ Other __________________________
   Execution Date: December 7, 2001

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)
      09/919,507
   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 & 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

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   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.
   JOHN V. HANLEY
   Name of Person Signing  Signature  Date: 1/7/02
   Total number of pages including cover sheet, attachments and document: 13

OMB No. 0651-0011 (exp. 4/94)
ADDITIONAL NAMES OF CONVEYING PARTIES:

SAYPIN PHONHALASA
JOHN E. PAPP
STEPHEN A. MORALES
COETA K. PELOQUIN
CHARLES R. PETERSON
ANUJA H. PATEL
ASSIGNMENT

This Assignment made by Olin Palmer of Mountain View, California; Christopher T. Shen of Stanford, California; Robert Laduca of Davenport, California; Larry J. Voss of Vancouver, Canada; Saypin Phonthalasa of San Francisco, California; John E. Papp of Temecula, California; Stephen A. Morales of Santa Clara, California; Coeta K. Peloquin of Fallbrook, California; Charles R. Peterson of Murrieta, California; and Anuja H. Patel 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, Assignor has invented a new and useful INTRAVASCULAR DEVICE AND SYSTEM, for which an application for United States Letters Patent was filed on July 31, 2001 and has Serial No. 09/919,507, 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

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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 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 hereinafter.

Date: 21 September, 2001

Assignor(s):

OLIN PALMER

Docket No. ACS-57408 (29291)
 Date: ____________, 2001

CHRISTOPHER T. SHEN

Date: Sept, 13th, 2001

ROBERT LADUCA

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