Docket No.: ACS 58381 (1512X) FORM PTO-1595 (Modified) 10-17-2003 RE U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) Patent and Trademark Office P08/REV03 Tab settings To the Director of the United States Patent and Travellian 2577172 ched original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Olin J. Palmer Name: Advanced Cardiovascular Systems, Inc. Internal Address: Additional names(s) of conveying party(ies) ☐ Yes 🛛 No 3. Nature of conveyance: Assignment Street Address: 3200 Lakeside Drive ☐ Merger ☐ Security Agreement Change of Name ☐ Other \_ City: Santa Clara \_\_\_\_\_ State: CA ZIP: 95054 Execution Date: \_June 22, 2003 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) US 6,390,993 B1 Additional numbers attached? ☐ Yes X No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: FULWIDER PATTON LEE & UTECHT, LLP 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account 8. Deposit account number: Street Address: 6060 Center Drive 10/16/2003 DBYRNE 00000020 6390993 06-2425 D1 FC:8021 40.00 DP Los Angeles State: C ZIP: 90045 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Richard S. Salfelder October 10, 2003 Name of Person Signing Date Signature

## ASSIGNMENT

This Assignment made by OLIN J. PALMER of 902 Roosevelt Avenue, Redwood City, California 94061, Assignor, 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 GUIDEWIRE HAVING LINEAR CHANGE IN STIFFNESS, for which an application for United States Letters Patent was filed on December 1, 1998, Serial No. 09/203,140 and issued May 21, 2002 as Patent No. US 6,390,993 B1; and

WHEREAS, Assignor believes himself to be an original and joint inventor 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, Assignor hereby sells, assigns and transfers 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, Assignor agrees that, upon request and without further compensation, but at no expense to Assignor, he and his legal representative(s) and assigns will do all lawful acts,

PATENT REEL: 014580 FRAME: 0742

. =

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.

Assignor represents and warrants that he has not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignor authorizes and requests 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, Assignor has executed this Assignment on the date written hereinbelow.

Assignor:

Date: 16 JUN 2003

RECORDED: 10/14/2003

OLIN J. PALMER

15695.1