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FORM PTO-1595
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U.S. DEPARTMENT OF COMMERCE
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):

William J. Boyle

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

3. Nature of Conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Dates: September 28, 2001

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

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) 09/945,151

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

Street Address: 6060 Center Drive, Tenth Floor

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

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.

THOMAS H. MAJCHER Thomas H. Majcher October 22, 2001
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments and document: Three (3)

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

01/17/2002 GTOM11 00000108 09945151
01 FC:581 40.00 OP

PATENT
REEL: 012468 FRAME: 0217

ASSIGNMENT

This Assignment made by William J. Boyle of Fallbrook, California, 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, Assignors has invented a new and useful **EMBOLIC
PROTECTION DEVICE WITH ONE WAY POROUS MEMBRANE**, for which an
application for United States Letters Patent was filed on August 31, 2001 as Serial
No. 09/945,151, and

WHEREAS, Assignor believes himself to be the original and first 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, him and his 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.

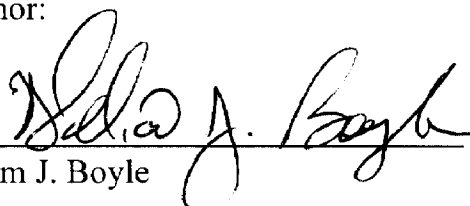
Assignor represents and warrants that he has not granted and will not grant to others any rights inconsistent with the rights granted herein.

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 herein below.

Date: 9/28, 2001

Assignor:



William J. Boyle