

RECORDATION FOR
PATENT

12-07-1998

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Patent and Trademark Office



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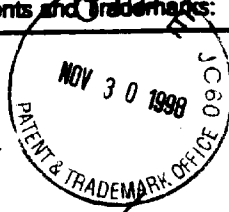
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To the Honorable Commissioner of Patents and Trademarks: P.

1. Name of conveying party(ies):

Arrow International, Inc.

Additional name(s) of conveying party(ies) attached? Yes No



2. Name and address of receiving party(ies)

Name: Arrow International Investment Corp.

Internal Address: _____

Street Address: 3411 Silverside Road

City: Wilmington State: Delaware ZIP: _____

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: August 5, 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: _____

4857062

A. Patent Application No.(s)

B. Patent No.(s)

12/07/1998 SBURNS 00000131 4857062

0. FI:581 560.00 OP

Additional numbers attached? Yes No (See Schedule A)

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

Name: Kenneth P. George, Esq.

Internal Address: _____

Amster, Rothstein & Ebenstein

Street Address: 90 Park Avenue

21st Floor

City: New York State: NY ZIP: 10016

6. Total number of applications and patents involved: 14

7. Total fee (37 CFR 3.41).....\$ 560.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

01-1785

(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.

Kenneth P. George, Esq.

Name of Person Signing

Signature

11-24-98

Date

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

4



SCHEDULE A

<u>USA Patent/Appln. Number</u>	<u>Issue/Filing Date</u>	<u>Title</u>
4,857,062	August 15, 1989	Catheter Introducer Valve
4,860,757	August 29, 1989	Guidewire Advancement System
4,917,094	April 17, 1990	Guidewire Advancement System
5,186,179	February 16, 1992	Guidewire Advancement System
5,273,042	December 28, 1993	Guidewire Advancement Method
5,438,993	August 8, 1995	Guidewire Advancement System
5,448,993	September 12, 1995	Guidewire Advancement System
5,758,657	June 2, 1998	Pressure Transducer Positioning System
5,769,083	June 23, 1998	Pressure Transducer Positioning System
5,800,384	September 1, 1998	Multi-lumen Percutaneous Introducer
5,810,012	September 22, 1998	Guidewire Advancement System
09/069,431	April 29, 1998	Guidewire Advancement System
09/075,066	May 8, 1998	Pressure Transducer Positioning System
09/124,481	July 29, 1998	Multi-lumen Percutaneous Introducer

ASSIGNMENT

WHEREAS, ARROW INTERNATIONAL, INC. (hereinafter "the Assignor"), a corporation organized under the laws of the Commonwealth of Pennsylvania, having a place of business at 2400 Bernville Road, Reading, Pennsylvania 19605, is the owner by assignment from Medical Parameters, Inc. of the entire right, title and interest in and to the United States Letters Patents and Applications for United States Letters Patent identified in the appended Schedule A, and

WHEREAS, ARROW INTERNATIONAL INVESTMENT CORP. (hereinafter "the Assignee"), a corporation organized under the laws of the State of Delaware, having a place of business at 3411 Silverside Road, Wilmington, Delaware is desirous of acquiring the entire right, title and interest in and to said applications and patents, and the inventions described therein, and each and every patent that can be issued on said applications and on said inventions in the United States of America and in its territories and possessions, and in all countries foreign to the United States of America;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of One Dollar (\$1.00), in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, effective August 5, 1998 the Assignor has sold, assigned and transferred, and by these presents does hereby sell, assign and transfer unto the Assignee the full and exclusive right, title and interest in and to the aforesaid applications and patents, the aforesaid inventions, and each and every patent that may be issued on the aforesaid applications and inventions in the United States of America, and in its territories and possessions and also in all countries foreign to the United States of America, the same to include the right to sue for past infringements, the same to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors, assigns or other legal representatives to the end of the term or terms for which a patent or patents may be

granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent on the aforesaid inventions or resulting from the aforesaid applications directly to the Assignee.

Assignor hereby authorizes the Assignee and its successors to apply for a patent or patents directly in its own name upon the aforesaid inventions wherever the same is permitted by law, and also assigns, sells, transfers and sets over the Assignee and its successors all priority rights under the aforesaid applications.

Assignor further covenants to execute all additional instruments and to do all things necessary to carry out the purpose of this instrument, at the expense of the Assignee and its successors.

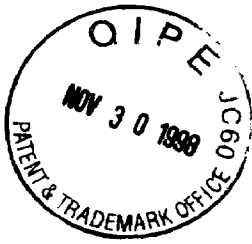
IN WITNESS WHEREOF, Assignor has by its duly authorized officer signed this Assignment, effective as of the 5th day of August, 1998.

ARROW INTERNATIONAL, INC.

By: _____

Name: PHILIP B. FLECK

Title: VICE PRESIDENT, RESEARCH & MANUFACTURING



SCHEDULE A

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