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U.S. DEPARTMENT OF COMMERCE  
U.S. 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):

Fred Hafer

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

Name: Arrow International, Inc.

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

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

## 3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other \_\_\_\_\_

Street Address: 2400 Bernville RoadCity: Reading State: PA Zip: 19605Execution Date: July 6, 2004Additional 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) 10/441,867

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

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

Name: Michael P. KenneyInternal Address: Amster, Rothstein & Ebenstein LLPStreet Address: 90 Park AvenueCity: New York State: NY Zip: 100166. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed



Authorized to be charged to deposit account if necessary.

## 8. Deposit account number:

01-1785

DO NOT USE THIS SPACE

## 9. Signature.

Michael P. Kenney

Name of Person Signing

Signature

July 12, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

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PATENT  
REEL: 015555 FRAME: 0365

## ASSIGNMENT

WHEREAS, FRED HAFFER (hereinafter "the Assignor"), a citizen of the United States of America residing at 24 Goldfinch Drive, Wyomissing, PA 19610, has invented certain new and useful improvements of INSTRUMENT AND METHOD FOR DELIVERY OF ANAESTHETIC DRUG for which a continuation-in-part application for United States Letters Patent was filed on May 20, 2003, Serial No. 10/441,867; and

WHEREAS, ARROW INTERNATIONAL, INC. (hereinafter "the Assignee"), a corporation organized under the laws of the Commonwealth of Pennsylvania, having a principal place of business at 2400 Bernville Road, Reading, PA 19605, is desirous of acquiring the entire right, title and interest in and to said application and the invention described therein, and each and every patent that can be issued on said application and on said invention 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, 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 application, the aforesaid invention, and each and every patent that may be issued on the aforesaid invention and application 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 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 invention or resulting from the aforesaid application 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 invention wherever the same is permitted by law, and also assigns, sells, transfers and sets over unto the Assignee and its successors all priority rights under the aforesaid application.

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 signed this Assignment on this

6 day of July, 2004.

  
\_\_\_\_\_

Fred Hafer

COMMONWEALTH OF PENNSYLVANIA

)

SS:

COUNTY OF Berks

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On this 6th day of July, 2004, before me came FRED HAFER to me known and known to me to be the individual described in, and who executed, the foregoing instrument, and he acknowledged to me that he had executed the same.

Notary Public

