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U.S. DEPARTMENT OF COMMERCE
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To the Director of the U.S. Patent and Trademark Office, or to the address(es) below.

1. Name of conveying party(ies)

Jeffrey M. Vitullo
Richard L. Harding
Mark J. Spinka

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) September 8, 2006

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Arrow International, Inc.

Internal Address: _____

Street Address: 2400 Bernville Road

City: Reading

State: Pennsylvania

Country: US Zip: 19605

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

10/441,867

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Michael P. Kenney, Esq.

Internal Address: AMSTER, ROTHSTEIN & EBENSTEIN

Street Address: 90 Park Avenue

City: New York

State: New York Zip: 10016

Phone Number: 212-336-8129

Fax Number: 212-336-8001

Email Address: mkenney@arelaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 01-1785

Authorized User Name _____

9. Signature:

Michael P. Kenney
Signature

September 25, 2006

Date

Michael P. Kenney, Esq.

Name of Person Signing

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

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, JEFFREY M. VITULLO, RICHARD L. HARDING and MARK J. SPINKA, (hereinafter "the Assignors"), citizens of the United States of America, residing at 304 Coventry Pointe Lane, Pottstown, Pennsylvania 19465; 1212 Fritztown Road, Reinholds, Pennsylvania 17569 and 1197 Ashbourne Drive, Reading, Pennsylvania, 19605, respectively, have invented certain new and useful improvements in an INSTRUMENT FOR DELIVERY OF ANESTHETIC DRUG for which Application No. 10/441,867 for United States Letters Patent was filed on May 20, 2003, 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 Assignors have sold, assigned and transferred, and by these presents do 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,

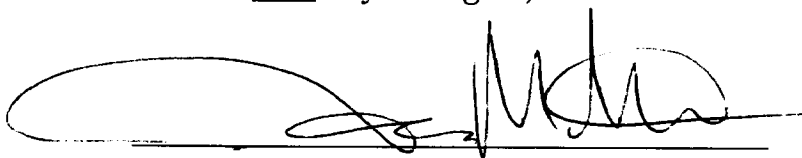
and for the use and benefit of its successors, assigns or other legal representatives to the end of the term or terms for which a patent or patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Utility Patent on the aforesaid invention or resulting from the aforesaid application directly to the Assignee.

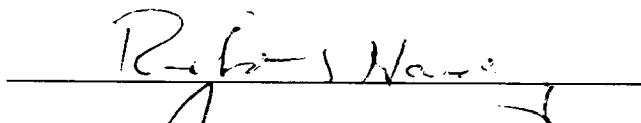
Assignors hereby authorize the Assignee and its successors to apply for a patent or patents directly in its own name upon the aforesaid invention wherever the same is permitted by law, and also assign, sell, transfer and set over unto the Assignee and its successors all priority rights under the aforesaid application.

Assignors further covenant 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.

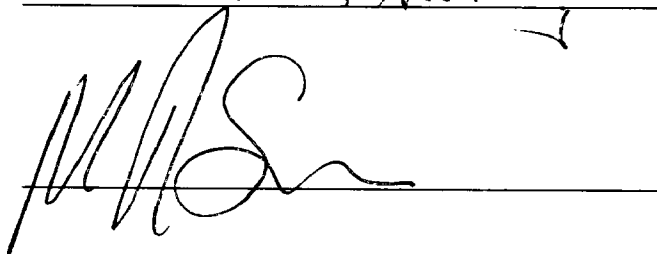
IN WITNESS WHEREOF, Assignors have hereunto set their hands and affixed their seals this 8th day of ~~August~~^{September}, 2006.



JEFFREY M. VITULLO



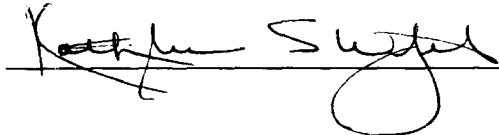
RICHARD L. HARDING



MARK J. SPINKA

COMMONWEALTH OF PENNSYLVANIA)
)ss.:
COUNTY OF)

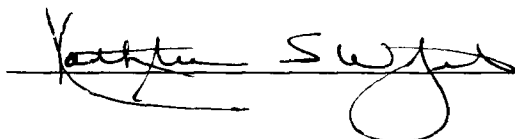
On this 8th day of ~~August~~ ^{September} 2006, before me came Jeffrey M. Vitullo, to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he acknowledged to me that he had executed the same.



Notary Public

COMMONWEALTH OF PENNSYLVANIA)
)ss.:
COUNTY OF)

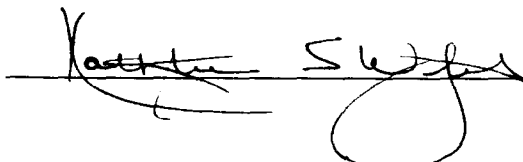
On this 8th day of ~~August~~ ^{September} 2006, before me came Richard L. Harding, to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he acknowledged to me that he had executed the same.



Notary Public

COMMONWEALTH OF PENNSYLVANIA)
)ss.:
COUNTY OF)

On this 8th day of ~~August~~ ^{September} 2006, before me came Mark J. Spinka, 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

348960.1

Notarial Seal
Kathleen S. Wetzel, Notary Public
City Of Reading, Berks County
My Commission Expires Dec. 30, 2006
Member, Pennsylvania Association Of Notaries