

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6396487

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME

CONVEYING PARTY DATA

Name	Execution Date
ARROW INTERNATIONAL, INC.	03/13/2020

RECEIVING PARTY DATA

Name:	ARROW INTERNATIONAL LLC
Street Address:	550 EAST SWEDES FORD ROAD
Internal Address:	SUITE 400
City:	WAYNE
State/Country:	PENNSYLVANIA
Postal Code:	19087

PROPERTY NUMBERS Total: 46

Property Type	Number
Application Number:	14199271
Application Number:	15385616
Application Number:	61846217
Application Number:	61745006
Application Number:	61752115
Application Number:	61794776
Application Number:	61920207
Application Number:	61935511
Application Number:	61551251
Application Number:	61621409
Application Number:	61664947
Application Number:	61673570
Application Number:	61712348
Application Number:	61794069
Application Number:	61821478
Application Number:	62077013
Application Number:	62185415
Application Number:	62278298
Application Number:	62374177

PATENT

Property Type	Number
Application Number:	62332347
Application Number:	15192632
Application Number:	14063522
Application Number:	13605720
Application Number:	13946398
Application Number:	14274466
Application Number:	14569291
Application Number:	15105180
Application Number:	15385656
Application Number:	15675115
Application Number:	16568588
Application Number:	16279577
Application Number:	16245906
Application Number:	15813831
Application Number:	16522161
Application Number:	16509759
Application Number:	15727743
Application Number:	14086418
Application Number:	14777090
Application Number:	16077525
Application Number:	16098578
Application Number:	16324333
Application Number:	15646206
Application Number:	16835524
Application Number:	16742854
Application Number:	16944778
Application Number:	16807781

CORRESPONDENCE DATA

Fax Number: (484)531-1735

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 484-531-1700

Email: ltorres@offitkurman.com

Correspondent Name: OFFIT KURMAN PA

Address Line 1: 401 PLYMOUTH ROAD

Address Line 2: SUITE 100

Address Line 4: PLYMOUTH, PENNSYLVANIA 19462

ATTORNEY DOCKET NUMBER:	04840003.00001
--------------------------------	----------------

NAME OF SUBMITTER:	LAURIE TORRES
SIGNATURE:	/Laurie Torres/
DATE SIGNED:	11/11/2020
Total Attachments: 10 source=Assignment_Arrow_Inc_to_Arrow_LLC#page1.tif source=Assignment_Arrow_Inc_to_Arrow_LLC#page2.tif source=Assignment_Arrow_Inc_to_Arrow_LLC#page3.tif source=Assignment_Arrow_Inc_to_Arrow_LLC#page4.tif source=Assignment_Arrow_Inc_to_Arrow_LLC#page5.tif source=Assignment_Arrow_Inc_to_Arrow_LLC#page6.tif source=Assignment_Arrow_Inc_to_Arrow_LLC#page7.tif source=Assignment_Arrow_Inc_to_Arrow_LLC#page8.tif source=Assignment_Arrow_Inc_to_Arrow_LLC#page9.tif source=Assignment_Arrow_Inc_to_Arrow_LLC#page10.tif	

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A PENNSYLVANIA CORPORATION UNDER THE NAME OF "ARROW INTERNATIONAL, INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "ARROW INTERNATIONAL, INC." TO "ARROW INTERNATIONAL LLC", FILED IN THIS OFFICE ON THE TWENTY-SEVENTH DAY OF MARCH, A.D. 2020, AT 2:25 O`CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE THIRTIETH DAY OF MARCH, A.D. 2020 AT 12:01 O`CLOCK A.M.



Jeffrey W. Bullock, Secretary of State

7915458 8100F
SR# 20202425347

You may verify this certificate online at corp.delaware.gov/authver.shtml

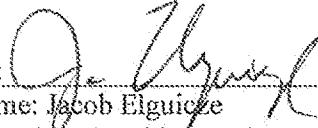
Authentication: 202670068
Date: 03-27-20

PATENT
REEL: 054386 FRAME: 0012

STATE OF DELAWARE
CERTIFICATE OF CONVERSION
FROM A CORPORATION TO A
LIMITED LIABILITY COMPANY PURSUANT TO
SECTION 18-214 OF THE LIMITED LIABILITY ACT

1. The jurisdiction where the Corporation first formed is the Commonwealth of Pennsylvania.
2. The jurisdiction immediately prior to filing this Certificate is the Commonwealth of Pennsylvania.
3. The date the Corporation first formed is August 20, 1975.
4. The name of the Corporation immediately prior to filing this Certificate of Conversion is Arrow International, Inc.
5. The name of the Limited Liability Company as set forth in the Certificate of Formation is Arrow International LLC.
6. This Certificate of Conversion shall be effective at 12:01 a.m. on March 30, 2020.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Conversion on March 25, 2020.

By: 
Name: Jacob Elguico
Title: Vice President and Treasurer

RECORDABLE ASSIGNMENT

WHEREAS, Essential Medical, Inc., a Delaware corporation (“ASSIGNOR”), desires to sell, transfer, convey, assign, and deliver all of its right, title, and interest in, to, and under the Intellectual Property (as defined below), including the rights to file patent applications and obtain patents in all jurisdictions worldwide; and

WHEREAS, Arrow International, Inc., a Pennsylvania corporation (“ASSIGNEE”), desires to acquire all of ASSIGNOR’s right, title, and interest in, to, and under the Intellectual Property (as defined below).

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged by ASSIGNOR, ASSIGNOR hereby further acknowledges that it has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over, unto ASSIGNEE, its successors, legal representatives, and assigns, all of ASSIGNOR’s right, title, and interest throughout the world in, to, and under the Intellectual Property (as defined below).

“**Intellectual Property**” means any and all intellectual property and any and all rights relating to intellectual property owned by the ASSIGNOR (by whatever name or term known or designated) set forth in Schedule 1, and including, but not limited to (i) rights associated with works of authorship throughout the world, including, but not limited to copyrights and moral rights; (ii) all registered and unregistered trademarks, trade names and service marks, applications and registrations of any of the foregoing and similar rights; (iii) trade secret rights; (iv) all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors’ certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, reissues, and reexaminations of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable; (v) information, whether of a technical, manufacturing, marketing or other nature, including product formulae, manufacturing processes, marketing and sales programs, technical data and designs; (vi) technologies including any and all software, inventions, updates, adaptations, know-how, technical data, trade secrets, functional or detailed design specifications, designs, and enhancements of any of the foregoing whether patentable or unpatentable, registered or unregistered; (vii) design rights; (viii) all other intellectual and industrial property rights (of every kind and nature and however designated), including logos, “rental” rights, and rights to remuneration, whether arising by operation of law, contract, license, or otherwise; and (ix) the right to make all necessary registrations and applications for the same.

ASSIGNOR does hereby assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of any Intellectual Property.

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Intellectual Property immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Intellectual Property, will sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, and will generally take or cause to be taken all such other actions necessary or desirable for ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the benefits of the present assignment in all countries.

This Recordable Assignment (this "**Assignment**") and any claim, controversy, dispute, or cause of action (whether in contract, tort, or otherwise) based upon, arising out of, or relating to this Assignment and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the Commonwealth of Pennsylvania, without giving effect to any choice or conflict of law provision or rule (whether of the Commonwealth of Pennsylvania or any other jurisdiction).

**Schedule 1
Assignor Intellectual Property**

PATENTS								
EMI Reference	Attorney Reference	Status	Title	Country	Application No.	Filing Date	Patent No.	Issue Date
EMI-0012-USPR	04840003.00031	Abandoned	Vascular Closure Device With Occlusion Balloon Guidewire	US	14/199,271	03/06/2014	N/A	N/A
	04840003.00056	Abandoned	Vascular Locating Systems and Methods of Use	US	15/385,616	12/20/2016	N/A	N/A
EMI-0004-USPR2	04840003.00002	Expired	Vascular Locating System	US	61/846,217	07/15/2013	N/A	N/A
EMI-0004-USPR	04840003.00004	Expired	Radiopaque Puncture Location	US	61/745,006	12/21/2012	N/A	N/A
EMI-0005-USPR	04840003.00005	Expired	Vascular Closure System Toggle Placement	US	61/752,115	01/14/2013	N/A	N/A
EMI-0007-USPR	04840003.00006	Expired	Surgically Closing Percutaneously Punctures	US	61/794,776	03/15/2013	N/A	N/A
EMI-0011-USPR	04840003.00010	Expired	Vascular Closure Device	US	61/920,207	12/23/2013	N/A	N/A
	04840003.00012	Expired	Wire Guided Collagen Plug And Sealing Method	US	61/935,511	02/04/2014	N/A	N/A
EMI-0002-USPR	04840003.00013	Expired	Large Bore Vascular Sealing Device and Method	US	61/551,251	10/25/2011	N/A	N/A

PATENT

REEL: 054386 FRAME: 0016

EMI-0002-USPR2	04840003.00014	Expired	Guidewire Through Toggle	US	61/621,409	04/06/2012	N/A	N/A
	04840003.00015	Expired	Cutting Dilator	US	61/664,947			
EMI-0003-USPR	04840003.00016	Expired	Multi-Lumen Tamper Tube	US	61/673,570	07/19/2012	N/A	N/A
	04840003.00018	Expired	Lateral Pressure Washer	US	61/712,348	10/02/2013	N/A	N/A
	04840003.00023	Expired	Vascular Closure Device with Occlusion Balloon Guidewire	US	61/794,069	03/15/2013	N/A	N/A
EMI-0006-USPR	04840003.00024	Expired	Vascular Closure Device With C-Beam Sealing Pad	US	61/821,478	05/09/2013	N/A	N/A
	04840003.00036	Expired	Vascular Closure Device With Deforming Components	US	62/077,013	11/07/2014	N/A	N/A
	04840003.00037	Expired	Vascular Closure Device With Removable Guide Member	US	62/185,415	06/26/2015	N/A	N/A
EMI-0008-USPR	04840003.00039	Expired	Vascular Closure System with Introducer for Sheath Transfer	US	62/278,298	01/13/2016	N/A	N/A
EMI-0010-USPR	04840003.00042	Expired	Vascular Closure Device With Locking Assembly For A Tamper	US	62/374,177	08/12/2016	N/A	N/A
EMI-0009-USPR	04840003.00043	Expired	Releasable Elongated Assembly	US	62/332,347	05/05/2016	N/A	N/A

PATENT

REEL: 054386 FRAME: 0017

EMI-0012-US01	04840003.00046	Issued	Vascular Closure Device with Removable Guide Member	US	15/192,632	06/24/2016	10,555,727	02/11/2020
EMI-0004-US01	04840003.00007	Issued	Vascular Locating Systems and Methods of Use	US	14/063,522	10/25/2013	9,554,785	01/31/2017
I-00002-US01	04840003.00017	Issued	INSTRUMENT AND METHODS FOR SURGICALLY CLOSING PERCUTANEOUS PUNCTURES	US	13/605,720	09/06/2012	10,485,524	11/26/2019
EMI-0003-US01	04840003.00026	Issued	Multi-Lumen Tamper Tube	US	13/946,398	07/19/2013	9,757,104	09/12/2017
EMI-0006-US01	04840003.00032	Issued	Vascular Closure Device With Conforming Plug Member	US	14/274,466	05/09/2014	10,154,835	12/18/2019
EMI-0002-US02	04840003.00035	Issued	INSTRUMENT AND METHODS FOR SURGICALLY CLOSING PERCUTANEOUS PUNCTURES	US	14/569,291	12/12/2014	10,383,611	08/20/2019
EMI-0011-US01	04840003.00048	Issued	Vascular Closure Device	US	15/105,180	06/16/2016	10,448,937	10/22/2019
EMI-0004-US02	04840003.00054	Issued	Vascular Locating Systems and Methods of Use	US	15/385,656	12/20/2016	10,182,804	01/22/2019
EMI-0003-US02	04840003.00061	Issued	Multi-Lumen Tamper Tube	US	15/675,115	08/11/2017	10,390,810	08/27/2019
EMI-0011-US02	04840003.00093	Pending	Vascular Closure Device	US	16/568,588	09/12/2019	N/A	N/A

PATENT

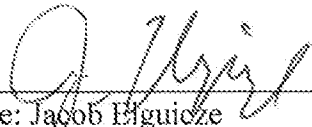
REEL: 054386 FRAME: 0018

EMI-0013-US01	04840003.00064	Pending	PUNCTURE LOCATING SYSTEM WITH BLOOD PULSATION INDICATOR	US	16/279,577	02/19/2019	N/A	N/A
EMI-0004-US03	04840003.00076	Pending	Vascular Locating Systems and Methods of Use	US	16/245,906	01/11/2019	N/A	N/A
EMI-0001-US04	04840003.00084	Pending	DEPLOYMENT INSTRUMENT FOR CLOSURE DEVICE FOR PERCUTANEOUSLY SEALING PUNCTURES	US	15/813,831	11/15/2017	N/A	N/A
EMI-0003-US03	04840003.00086	Pending	Multi-Lumen Tamper Tube	US	16/522,161	07/25/2019	N/A	N/A
EMI-0002-US03	04840003.00089	Pending	INSTRUMENT AND METHODS FOR SURGICALLY CLOSING PERCUTANEOUS PUNCTURES	US	16/509,759	07/12/2019	N/A	N/A
EMI-0017-US0	04840003.00081	Pending	Methods for Exchanging Devices	US	15/727,243	10/06/2017	N/A	N/A
EMI-0005-US0	04840003.00008	Pending	Vascular Closure System Toggle Placement	US	14/086,418	11/21/2013	N/A	N/A
EMI-0007-US01	04840003.00040	Pending	Vascular Closure Devices and Methods of Use	US	14/777,090	09/15/2015	N/A	N/A
EMI-0008-US0	04840003.00065	Pending	VASCULAR CLOSURE SYSTEM WITH INTRODUCER FOR SHEATH TRANSFER	US	16/077,525	08/13/2018	N/A	N/A

EMI-0009-US01	04840003.00070	Pending	Releasable Elongated Assembly	US	16/098,578	11/02/2018	N/A	N/A
EMI-0010-US01	04840003.00079	Pending	Vascular Closure Device With Locking Assembly For A Tamper	US	16/324,333	02/08/2019	10,682,128	06/16/2020
EMI-0016-US01	04840003.00082	Pending	Methods for Exchanging Devices	US	15/646,206	07/11/2017	N/A	N/A
EMI-0007-US02	04840003.00102	Pending	Vascular Closure Devices and Methods of Use	US	16/835,524	03/31/2020	N/A	N/A
EMI-0012-US02	04840003.00101	Pending	Vascular Closure Device with Removable Guide Member	US	16/742,854	01/17/2020	N/A	N/A
EMI-0019-US01	04840003.00098	Pending	ACCESS SHEATH WITH VALVE ASSEMBLY	US	16/944,778	07/31/2020	N/A	N/A
EMI-0020-US01	04840003.00092	Pending	VESSEL LINING DEVICE AND RELATED METHODS	US	16/807,781	03/03/2020	N/A	N/A

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 31st day of December, 2019.

ESSENTIAL MEDICAL, INC.

By: 
Name: Jacob Elguicze
Title: Treasurer and Vice President

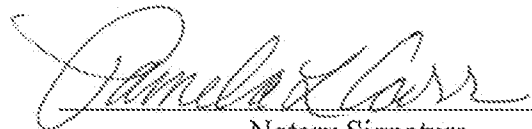
COMMONWEALTH OF PENNSYLVANIA }
COUNTY OF MONTGOMERY }

ss.

On December 31, 2019, before me, Pamela L. Carr, notary public, personally appeared Jacob Elguicze, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]


Notary Signature

Commonwealth of Pennsylvania -- Notary Seal
PAMELA L. CARR -- Notary Public
Montgomery County
My Commission Expires Apr 8, 2022
Commission Number 1023886