TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM416736

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Arrow International Investment Corp.		02/17/2017	Corporation: DELAWARE

RECEIVING PARTY DATA

Name:	JPMorgan Chase Bank, N.A., as Administrative Agent
Street Address:	IL1-1145/54/63, P.O. Box 6026
City:	Chicago
State/Country:	ILLINOIS
Postal Code:	60680-6026
Entity Type:	national association: UNITED STATES

PROPERTY NUMBERS Total: 60

Property Type	Number	Word Mark
Registration Number:	2337394	ACAT
Registration Number:	3868753	AERO
Registration Number:	2520879	AGB+
Registration Number:	3529007	AI
Registration Number:	1900520	ARMORGLIDE
Registration Number:	2176791	ARROW
Registration Number:	1315592	ARROW
Registration Number:	3074561	ARROW EDGE
Registration Number:	4837026	ARROW ENDURANCE
Registration Number:	3592949	ARROW SIMPLICITY
Registration Number:	4235041	ARROWADVANTAGE5
Registration Number:	1837796	ARROW-FLEX
Registration Number:	2146598	ARROWG+ARD
Registration Number:	2981152	ARROWGARD + BLUE
Registration Number:	2527850	ARROWG+ARD BLUE PLUS
Registration Number:	2597774	ARROWG+ARD BLUE PLUS
Registration Number:	2717704	AUTOCAT
Registration Number:	3031561	AUTOCAT2WAVE
Registration Number:	4210039	AUTOPILOT

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Property Type	Number	Word Mark
Registration Number:	1668396	BLUE FLEXTIP
Registration Number:	3049017	CANNON
Registration Number:	4145704	CARDIOTHANE
Registration Number:	3167527	CATH-GARD
Registration Number:	4071394	CHLORAG+ARD
Registration Number:	2213729	
Registration Number:	2875842	
Registration Number:	2208091	
Registration Number:	3099491	FIBEROPTIX
Registration Number:	4301883	FLEXBLOCK
Registration Number:	4502027	FLEXTIP
Registration Number:	1936297	FLEXTIP PLUS
Registration Number:	4317849	GLIDETHRU
Registration Number:	1520722	HANDS-OFF
Registration Number:	3775970	HEMOHOPPER
Registration Number:	3355955	MYDIALYSISCARE.COM
Registration Number:	2119660	NEO CARE
Registration Number:	3595291	NEXTSTEP
Registration Number:	1454099	PLEURA-SEAL
Registration Number:	3332225	PROACTIVE COUNTERPULSATION
Registration Number:	2559041	PTD
Registration Number:	1866314	QUICKFLASH
Registration Number:	3293315	REDIGUARD
Registration Number:	1837364	RIC
Registration Number:	4415319	SECONDSITE
Registration Number:	1836685	SHARPSAWAY
Registration Number:	1914745	SLIC
Registration Number:	3240574	SMARTSEAL
Registration Number:	3901549	SNAPTEAR
Registration Number:	2711737	STIMUCATH
Registration Number:	3046882	STIMUQUIK
Registration Number:	3028607	SUPER ARROW-FLEX
Registration Number:	3773048	SUREBLOCK
Registration Number:	4359384	TAPERFREE
Registration Number:	1837795	THERACATH
Registration Number:	1497571	TWIN CATH
Registration Number:	2541455	ULTRA 8
Registration Number:	4347136	ULTRAQUIK

Property Type	Number	Word Mark
Registration Number:	1903486	USERGARD
Registration Number:	4119855	VESSEL HEALTH AND PRESERVATION
Registration Number:	3031625	WAVE

CORRESPONDENCE DATA

Fax Number: 3129939767

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: 3129932647

Email: zeynep.gieseke@lw.com

Correspondent Name: Zeynep Gieseke

Address Line 1: 330 N. Wabash Avenue, Suite 2800

Address Line 2: Latham & Watkins LLP

Address Line 4: Chicago, ILLINOIS 60611

ATTORNEY DOCKET NUMBER:	049067-0087
NAME OF SUBMITTER:	Zeynep Gieseke
SIGNATURE:	/zg/
DATE SIGNED:	02/20/2017

Total Attachments: 9

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GRANT OF SECURITY INTEREST
IN UNITED STATES TRADEMARKS

THIS GRANT OF SECURITY INTEREST IN UNITED STATES TRADEMARKS (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Grant") is made effective as of February 17, 2017, by and from ARROW INTERNATIONAL INVESTMENT CORP., a Delaware corporation, TELEFLEX MEDICAL INCORPORATED, a California corporation and VASCULAR SOLUTIONS, INC., a Minnesota corporation (each a "Grantor" and collectively the "Grantors"), to and in favor of JPMORGAN CHASE BANK, N.A. for itself and as Administrative Agent for the Secured Parties (as defined in the Credit Agreement referenced below) (in such capacities, the "Grantee").

WHEREAS, TELEFLEX INCORPORATED (the "Company"), the other Loan Parties, the Lenders, and the Grantee have entered into that certain Amended and Restated Credit Agreement, dated as of January 20, 2017 (as may be further amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement");

WHEREAS, certain Subsidiaries of the Company have guaranteed the repayment of the Obligations pursuant to the Credit Agreement;

WHEREAS, the Company and certain of its Subsidiaries, including the Grantors, have entered into that certain Security Agreement, dated as of February 17, 2017 (as may be further amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement"); and

WHEREAS, the Grantors own certain Trademarks which are applied for or registered with the United States Patent and Trademark Office.

NOW, THEREFORE, in consideration of the mutual covenants and agreements set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, it is hereby agreed that:

1) Definitions. All capitalized terms used and not otherwise defined herein shall have the respective meaning given to them in the Credit Agreement, or if not defined therein, in the Security Agreement.

2) The Security Interest.

(a) This Grant is made to secure the satisfactory performance and payment of all the Obligations. Upon the satisfaction of the Final Release Conditions (as defined in the Subsidiary Guaranty), this Grant shall automatically terminate and all rights to the Trademarks shall revert to the Grantors. Upon such termination, the Grantee shall promptly, upon such satisfaction, execute, acknowledge, and deliver to the Grantors all reasonably requested instruments in writing releasing (and/or evidencing of record the release of) the lien and security interest in the Trademarks acquired under the Security Agreement and this Grant.

(b) The Grantors hereby pledge and grant to the Grantee, on behalf of and for the benefit of the Secured Parties, a security interest in all of the Grantors' right, title and interest, whether now owned or hereafter acquired, in and to all (i) United States Trademarks , including the foregoing listed on Exhibit A; (ii) all renewals of the foregoing; (iii) all income, royalties, damages and payments now or hereafter due or payable with respect thereto, including, without limitation, damages, claims, and payments for past, present, and future infringements or dilutions thereof; (iv) all rights to sue for past,

present, and future infringements or dilutions of the foregoing, including the right to settle suits involving claims and demands for royalties owing; and (v) all rights corresponding to any of the foregoing throughout the world.

(c) Notwithstanding anything to the contrary contained above, the security interest created by this Grant shall not extend to Excluded Assets.

3) Grants, Rights, Remedies. This Grant has been executed in conjunction with the security interest granted under the Security Agreement to the Grantee for the benefit of the Secured Parties. The rights and remedies of the Grantee with respect to the security interest granted herein are without prejudice to and are in addition to those set forth in the Security Agreement and the other Loan Documents, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Grant are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern and control.

4) Governing Law. **THIS GRANT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAW OF THE STATE OF NEW YORK.**

5) Counterparts. This Grant may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page of this Grant by telecopy, e-mailed .pdf or any other electronic means that reproduces an image of the actual executed signature page shall be effective as delivery of a manually executed counterpart of this Grant.

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TRADEMARK
REEL: 005992 FRAME: 0382

IN WITNESS WHEREOF, each Grantor has executed this Grant effective as of the date first written above.

ARROW INTERNATIONAL INVESTMENT CORP.

TELEFLEX MEDICAL INCORPORATED

VASCULAR SOLUTIONS, INC.

By _____

Name: Jake Elguicze

Title: (1) Vice President and Treasurer (in the case of Teleflex Medical Incorporated)

(2) President (in the case of Arrow International Investment Corp.)

(3) Vice President (in the case of Vascular Solutions, Inc.)

TRADEMARK
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JPMORGAN CHASE BANK, N.A.,
as Administrative Agent

By: _____
Name: Deborah R. Winkler
Title: Executive Director

GRANT OF SECURITY INTEREST
IN UNITED STATES TRADEMARKS

Exhibit A

Trademarks

Trademark	Serial No.	Registration No.	Owner
ACAT	75501898	2337394	Arrow International Investment Corp.
ADAPT and Design	76318529	2671575	Teleflex Medical Incorporated
ADDIPAK	72466580	1004041	Teleflex Medical Incorporated
AERO	78658042	3868753	Arrow International Investment Corp.
AGB+ and Design	75794477	2520879	Arrow International Investment Corp.
AI and Design	78377487	3529007	Arrow International Investment Corp.
AIR-EZE	73749337	1537328	Teleflex Medical Incorporated
AQUA+	74210094	1832068	Teleflex Medical Incorporated
AQUAPAK	72383817	0926951	Teleflex Medical Incorporated
AQUATHERM	72436889	0968730	Teleflex Medical Incorporated
ARMORGLIDE	74503824	1900520	Arrow International Investment Corp.
ARROW	75318727	2176791	Arrow International Investment Corp.
ARROW	73420836	1315592	Arrow International Investment Corp.
ARROW EDGE	78419839	3074561	Arrow International Investment Corp.
ARROW ENDURANCE	85544145	4837026	Arrow International Investment Corp.
ARROW SIMPLICITY	78419848	3592949	Arrow International Investment Corp.
ARROWADVANTAGE5 (Stylized)	85399425	4235041	Arrow International Investment Corp.
ARROW-FLEX	74396350	1837796	Arrow International Investment Corp.
ARROWG+ARD (Stylized)	74657460	2146598	Arrow International Investment Corp.
ARROWG+ARD BLUE and Design	78433655	2981152	Arrow International Investment Corp.
ARROWG+ARD BLUE PLUS (Stylized)	75508175	2527850	Arrow International Investment Corp.
ARROWG+ARD BLUE PLUS and Design	76288730	2597774	Arrow International Investment Corp.

Trademark	Serial No.	Registration No.	Owner
AUTOCAT	75793700	2717704	Arrow International Investment Corp.
AUTOCAT2WAVE	78408833	3031561	Arrow International Investment Corp.
AUTOPILOT	85561308	4210039	Arrow International Investment Corp.
AVA-NEB	73777639	1564294	Teleflex Medical Incorporated
BI-FLO	75163676	2154281	Teleflex Medical Incorporated
BITEGARD	75163677	2133393	Teleflex Medical Incorporated
BLUE FLEXTIP	73788521	1668396	Arrow International Investment Corp.
BONDEK	74638398	1951213	Teleflex Medical Incorporated
BREATHING, MADE EASIER.	75204948	2179987	Teleflex Medical Incorporated
CANNON	78432296	3049017	Arrow International Investment Corp.
CARDIOTHANE	85394739	4145704	Arrow International Investment Corp.
CATH-GARD	78571706	3167527	Arrow International Investment Corp.
CATH-GUIDE	75513068	2272128	Teleflex Medical Incorporated
CHLORAG+ARD and Design	85045038	4071394	Arrow International Investment Corp.
CLEAR COMFORT	74314960	1826881	Teleflex Medical Incorporated
CONCHA	73129180	1099212	Teleflex Medical Incorporated
CONCHAPAK	73116944	1139858	Teleflex Medical Incorporated
CONCHATHERM	73117684	1105074	Teleflex Medical Incorporated
CORR-A-FLEX	73344346	1250224	Teleflex Medical Incorporated
CORR-A-TUBE	72237129	825863	Teleflex Medical Incorporated
DEKLENE	73483129	1326798	Teleflex Medical Incorporated
DEKNATEL	78589231	3076349	Teleflex Medical Incorporated
Design Only	75215972	2213729	Arrow International Investment Corp.
Design Only	75215973	2875842	Arrow International Investment Corp.
Design Only	75245595	2208091	Arrow International Investment Corp.
EZ-ENDO	76092726	2572973	Teleflex Medical Incorporated

Trademark	Serial No.	Registration No.	Owner
FIBEROPTIX	78433678	3099491	Arrow International Investment Corp.
FLEXBLOCK	85222914	4301883	Arrow International Investment Corp.
FLEX-C-PAP	75061881	2118368	Teleflex Medical Incorporated
FLEXTIP	85159082	4502027	Arrow International Investment Corp.
FLEXTIP PLUS	74396331	1936297	Arrow International Investment Corp.
FLUENT	8654688	5129777	Vascular Solutions, Inc.
GLIDETHRU	85377307	4317849	Arrow International Investment Corp.
HANDS-OFF	73714495	1520722	Arrow International Investment Corp.
HEMOHOPPER	77654799	3775970	Arrow International Investment Corp.
HUDSON RCI	74157941	1729000	Teleflex Medical Incorporated
HUDSON RCI	74158130	1695930	Teleflex Medical Incorporated
INTRADUCER	73051157	1028559	Teleflex Medical Incorporated
LIFESAVER	73320674	1234472	Teleflex Medical Incorporated
MICRO MIST	74214846	1839905	Teleflex Medical Incorporated
MINIGRIP	85918974	4569509	Teleflex Medical Incorporated
MINILAP	85919031	4480238	Teleflex Medical Incorporated
MINS	86399986	4727717	Teleflex Medical Incorporated
MONODEK	76540134	2869007	Teleflex Medical Incorporated
MULTI-VENT	72432002	1004552	Teleflex Medical Incorporated
MYDIALYSISCARE.COM	77171668	3355955	Arrow International Investment Corp.
NEB-U-MASK	73021865	1010958	Teleflex Medical Incorporated
NEO CARE and Design	75201800	2119660	Arrow International Investment Corp.
NEXTSTEP	77023552	3595291	Arrow International Investment Corp.
NEXTSTITCH	76009845	2576614	Teleflex Medical Incorporated
OPTI-NEB	78424171	3077624	Teleflex Medical Incorporated
OPTI-NEB PRO and Design	77207763	3541094	Teleflex Medical Incorporated

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Trademark	Serial No.	Registration No.	Owner
PLEURA-SEAL	73643513	1454099	Arrow International Investment Corp.
PLEUR-EVAC	72253212	0833013	Teleflex Medical Incorporated
PLEUR-EVAC SAHARA and Design	75203535	2229431	Teleflex Medical Incorporated
POLYDEK	73735521	1530731	Teleflex Medical Incorporated
PROACTIVE COUNTERPULSATION	78835469	3332225	Arrow International Investment Corp.
PTD	75276938	2559041	Arrow International Investment Corp.
QUICKFLASH	74407501	1866314	Arrow International Investment Corp.
REDIGUARD	77078180	3293315	Arrow International Investment Corp.
RIC	74396401	1837364	Arrow International Investment Corp.
SAHARA	78247346	2885281	Teleflex Medical Incorporated
SAPHLITE	75351411	2250429	Teleflex Medical Incorporated
SECONDSITE	85429397	4415319	Arrow International Investment Corp.
SHARPSAWAY	74396348	1836685	Arrow International Investment Corp.
SHER-I-BRONCH	73775617	1559688	Teleflex Medical Incorporated
SHERIDAN	73770429	1581320	Teleflex Medical Incorporated
SHERIDAN/CF	73770392	1582418	Teleflex Medical Incorporated
SHERIDAN/HVT	73768214	1560698	Teleflex Medical Incorporated
SHER-I-SLIP	73783724	1565739	Teleflex Medical Incorporated
SHER-I-SWIV	73775639	1558905	Teleflex Medical Incorporated
SLIC	74560342	1914745	Arrow International Investment Corp.
SMARTSEAL	78635280	3240574	Arrow International Investment Corp.
SMOOTH-FLO	73502818	1367473	Teleflex Medical Incorporated
SNAPTEAR	77815276	3901549	Arrow International Investment Corp.
SOFTECH	74469210	1928616	Teleflex Medical Incorporated
SPIRAL-FLEX	73768215	1559680	Teleflex Medical Incorporated
STAR LUMEN	74065874	1704754	Teleflex Medical Incorporated

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Trademark	Serial No.	Registration No.	Owner
STERNOTOMY COMPAK	75707969	2452454	Teleflex Medical Incorporated
STIMUCATH	76041431	2711737	Arrow International Investment Corp.
STIMUQUIK	78367551	3046882	Arrow International Investment Corp.
SUPER ARROW-FLEX	78508256	3028607	Arrow International Investment Corp.
SURE SEAL	73564188	1427352	Teleflex Medical Incorporated
SUREBLOCK	77653263	3773048	Arrow International Investment Corp.
TAPERFREE	85375105	4359384	Arrow International Investment Corp.
TAUT	78962898	3318312	Teleflex Medical Incorporated
TEVDEK	72164330	758496	Teleflex Medical Incorporated
THERACATH	74396349	1837795	Arrow International Investment Corp.
THERMAGARD	74195414	1899754	Teleflex Medical Incorporated
TRIFLO	78426555	2983263	Teleflex Medical Incorporated
TWIN CATH	73701614	1497571	Arrow International Investment Corp.
ULTRA 8	75931900	2541455	Arrow International Investment Corp.
ULTRAQUIK	85179681	4347136	Arrow International Investment Corp.
UP-DRAFT	72437310	0988503	Teleflex Medical Incorporated
UP-DRAFT II	73415860	1287013	Teleflex Medical Incorporated
USERGARD	74396394	1903486	Arrow International Investment Corp.
VESSEL HEALTH AND PRESERVATION	85420218	4119855	Arrow International Investment Corp.
VOLDYNE (Stylized)	73068262	1056922	Teleflex Medical Incorporated
WAVE	78430895	3031625	Arrow International Investment Corp.