TRADEMARK ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Cardiovascular Systems, Inc.		04/12/2010	CORPORATION: DELAWARE

RECEIVING PARTY DATA

Name:	Partners for Growth III, L.P.
Street Address:	180 Pacific Avenue
City:	San Francisco
State/Country:	CALIFORNIA
Postal Code:	94111
Entity Type:	LIMITED PARTNERSHIP: DELAWARE

PROPERTY NUMBERS Total: 15

Property Type	Number	Word Mark
Registration Number:	3133712	CSI
Registration Number:	3006444	CSI
Registration Number:	3599262	CSI
Registration Number:	3613163	LUMEN LIBRARY
Registration Number:	3603296	DIAMONDBACK 360
Registration Number:	3644144	VIPERWIRE
Serial Number:	77664188	VIPERSHEATH
Serial Number:	77664163	VIPERX
Registration Number:	3672435	VIPERTRACK
Serial Number:	77706594	VIPERWIRE ADVANCE
Serial Number:	77722921	VIPERCADDY
Serial Number:	77664211	VIPERSPHERE
Registration Number:	3672436	VIPERSLIDE
Serial Number:	77747258	DIAMONDBACK 360° VIP
		TRADEMARK

TRADEMARK "REEL: 004186 FRAME: 0256

900159728 REEL: 0041

77911948 PREDATOR 360° Serial Number: **CORRESPONDENCE DATA** (415)738-5371 Fax Number: Correspondence will be sent via US Mail when the fax attempt is unsuccessful. Phone: 4153813283 Email: ben@greenspan-law.com Correspondent Name: Benjamin Greenspan Address Line 1: 620 Laguna Road Address Line 4: Mill Valley, CALIFORNIA 94941 ATTORNEY DOCKET NUMBER: PFG-CSI NAME OF SUBMITTER: Benjamin Greenspan Signature: /bg2/ 04/15/2010 Date: Total Attachments: 6 source=CSI Trademark notice fully-executed#page1.tif source=CSI Trademark notice fully-executed#page2.tif source=CSI Trademark notice fully-executed#page3.tif

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TRADEMARK COLLATERAL AGREEMENT AND NOTICE

This Trademark Collateral Agreement and Notice dated as of April 14, 2010, is between Cardiovascular Systems, Inc., a Delaware corporation with its principal place of business at 651 Campus Drive, St. Paul, MN 55112 ("Assignor") and Partners for Growth III, L.P., 180 Pacific Avenue, San Francisco, CA 94111 ("Assignee") pursuant to a Loan and Security Agreement dated April 14, 2010, by and between Assignor and Assignee and pursuant to certain other loan documents referenced therein (collectively, the "Loan Documents").

WHEREAS, Assignor is the owner of certain trademarks, including all federal applications and/or registrations therefor, together with the goodwill of the business connected with the use of and symbolized thereby, as listed on Exhibit 1 hereto (the "Marks"); and

WHEREAS, Assignee has agreed to extend certain credit to Assignor on condition that the Assignor pledge and grant to Assignee as collateral for the Obligations (as defined in the Loan Documents) a security interest and lien in and to the Marks and all proceeds thereof and all other related claims and rights as more fully described in a certain Intellectual Property Security Agreement (the "Security Agreement") in favor of the Assignee dated April 14, 2010, by and between Assignor and Assignee;

NOW THEREFORE, for good and valuable consideration, as security for the due and timely payment and performance of the Obligations, Assignor hereby pledges and grants to Assignee a security interest and lien in and to the Marks and all proceeds thereof and gives notice of such security interest and the existence of such Security Agreement providing therefor.

Executed as of the date first above written.

Assignor:	Assignee:
Cardiovascular Systems, Inc.	PARTNERS FOR GROWTH III, L.P.
By 1	
Chief Executive Officer	Ву
By Sellow X	Name:
Secretary	Title: Manager, Partners for Growth III, LL

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WHEREAS, Assignor is the owner of certain trademarks, including all federal applications and/or registrations therefor, together with the goodwill of the business connected with the use of and symbolized thereby, as listed on Exhibit 1 hereto (the "Marks"); and

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Executed as of the date first above written.

Assignor:	Assignee:
Cardiovascular Systems, Inc.	PARTNERS FOR GROWTH III, L.P.
By	
Chief Executive Officer	By TOLOUR VIEW
Ву	Name: LORRAINE NELD
Secretary	
·	Title: Manager, Partners for Growth III, L.I.C Its General Partner

EXHIBIT 1 Cardiovascular Systems, Inc.

Trademark Schedule

Trademark	Products	Status	Registration/ Serial No.
CSI ®	Surgical system for use in cardiovascular procedures comprised of catheters, guide wires, syringes, tubing for drainage, transfusion and administering of drugs and parts and accessories therefor	Registered on August 22, 2006	Registration No. 3,133,712
CSI® U.S.	Surgical system for use in cardiovascular procedures comprised of catheters, guidewires, syringes, tubing for drainage, transfusion and administering of drugs and parts and accessories therefor	Registered on August 22, 2006	Registration No. 3,006,444
CSI _®	Orbital atherectomy system, namely a high-speed orbital atherectomy device comprising a drive shaft with rotational orbital movement and guide wire, for the abrading removal of atherosclerotic plaque and thrombus from the inner surface of a blood vessel	Registered on March 31, 2009	Registration No. 3,599,262
LUMEN LIBRARY® U.S.	A searchable database of medical case study film and still photographs	Registered on April 28, 2009	Registration No. 3,613,163
DIAMONDBACK 360® U.S.	High-speed orbital atherectomy device having rotational orbital movement for the abrading removal of atherosclerotic plaque and thrombus from the inner surface of a blood vessel	Registered on April 7, 2009	Registration No. 3,603,296
DIAMONDBACK 360™ Canada	High-speed orbital atherectomy device having rotational orbital movement for the abrading removal of atherosclerotic plaque and thrombus from the inner surface of a blood vessel	Pending - Filed September 2, 2009	Application No. 1,450,461



DIAMONDBACK 360™	High-speed orbital atherectomy device having rotational orbital movement for the abrading	Pending -Filed September 14, 2009	Application No. 8546699
Europe	removal of atherosclerotic plaque and thrombus from the inner surface of a blood vessel		
VIPERWIRE® U.S.	Guide wire for use in cardiovascular procedures	Registered on June 23, 2009	Registration No. 3,644,144
VIPERSHEATH™	medical apparatus for use in cardiovascular procedures	Filed February 5, 2009 – Instructed	Serial No. 77/664188
U.S.	ļ	to Abandon	<u> </u>
VIPERSHEATH™	medical apparatus for use in cardiovascular procedures	Filed August 4, 2009 – Instructed	Application No.
Canada		to Abandon	1447084
VIPERSHEATH™	medical apparatus for use in cardiovascular procedures	Filed August 4, 2009 – Instructed	Application No.
Europe	•	to Abandon	8471179
VIPERX™ U.S.	Catheters	Filed February 5, 2009 – Statement of Use	Serial No. 77/664163
0.3.		due March 1, 2010	
VIPERTRACK®	medical adhesive radiopaque tape	Registered on August 25, 2009	Registration No.
U.S.			3,672,435
VIPERTRACK™	medical adhesive radiopaque tape	Filed August 4, 2009	Application No.
Canada		Pending	1447085
VIPERTRACK™	medical adhesive radiopaque tape	Filed August 4, 2009	Application No.
Europe		Pending	8470577
VIPERWIRE	Medical guide wires and parts and	Filed April 3,	Serial No.
ADVANCE™	fittings therefore	2009 Pending	77706594
U.S.			



VIPERWIRE ADVANCE™ Canada	Medical guide wires and parts and fittings therefore	Filed September 11, 2009 - Pending	Application No. 1,451,537
VIPERWIRE ADVANCE™ Europe	Medical guide wires and parts and fittings therefore	Filed September 14, 2009 - Pending	Application No. 8547631
VIPERCADDY™ U.S.	Medical apparatus for organization and management of wires during surgery	Filed April 27, 2009 Pending	Serial No. 77/722921
VIPERCADDY™ Canada	Medical apparatus for organization and management of wires during surgery	Filed September 11, 2009 - Pending	Application No. 1,451,530
VIPERCADDY™	Medical apparatus for organization and management of	Filed September 14, 2009 -	Application No.
Europe	wires during surgery	Pending	8547697
VIPERSPHERE™ U.S.	Balloon catheters for use in cardiovascular procedures	Filed February 5, 2009 Statement of Use due March 1, 2009	Serial No. 77664211
VIPERSLIDE® U.S.	atherectomy lubricant	Registered on August 25, 2009	Registration No. 3,672,436
VIPERSLIDE™ Canada	atherectomy lubricant	Filed August 4, 2009 Pending	Application No. 1447083
VIPERSLIDE™ Europe	atherectomy lubricant	Filed August 4, 2009 Pending	Application No. 8470627
DiamondBack 360° VIP™ U.S.	High-speed orbital atherectomy device having rotational orbital movement for the abrading removal of atherosclerotic plaque from the inner surface of a blood vessel	Filed May 29, 2009 Instructed to abandon	Serial No. 77/747258

NO STENT ZONE™		Per search, no registration recommended	
THE SCIENCE OF A SMOOTH LUMEN™		Not filed	
VERSATILITY. INNOVATION. PERFORMANCE™		Searched – not filed	
CONQUERING VERSATILE TERRAIN™		Searched – Not filed	
PREDATOR 360°™	Medical apparatus and instruments, namely, high-speed orbital atherectomy device	Filed January 14, 2010 - Pending	Serial No. 77/911948
U.S.	having rotational orbital movement for the abrading removal of atherosclerotic plaque from the inner surface of a blood vessel		



RECORDED: 04/15/2010