

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5555587

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	CONFIRMATORY GRANT OF SECURITY INTEREST IN UNITED STATES PATENTS	
CONVEYING PARTY DATA		
Name		Execution Date
NAVILYST MEDICAL, INC.		06/03/2019
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:	60603	
PROPERTY NUMBERS Total: 36		
Property Type	Number	
Patent Number:	7435236	
Patent Number:	7473240	
Patent Number:	8079987	
Patent Number:	8523821	
Patent Number:	8753320	
Patent Number:	6319226	
Patent Number:	6179806	
Patent Number:	7329234	
Patent Number:	10105477	
Patent Number:	7951121	
Patent Number:	8034035	
Patent Number:	9314608	
Patent Number:	7988679	
Patent Number:	8679074	
Patent Number:	6607504	
Patent Number:	8574204	
Patent Number:	9895523	
Patent Number:	9168365	
Patent Number:	8366687	
Patent Number:	8267915	

PATENT

Property Type	Number
Patent Number:	8187234
Patent Number:	8454574
Patent Number:	8790329
Patent Number:	9933079
Patent Number:	8277425
Patent Number:	8328768
Patent Number:	8585660
Patent Number:	8257321
Patent Number:	8540685
Patent Number:	8603067
Patent Number:	9999746
Application Number:	16243181
Patent Number:	6595966
Patent Number:	7410602
Patent Number:	7252652
Patent Number:	7993327

CORRESPONDENCE DATA

Fax Number: (213)891-8763

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.

Email: rhonda.deleon@lw.com

Correspondent Name: LATHAM & WATKINS LLP

Address Line 1: 355 SOUTH GRAND AVENUE

Address Line 4: LOS ANGELES, CALIFORNIA 90071-1560

ATTORNEY DOCKET NUMBER: 049067-0163

NAME OF SUBMITTER: RHONDA DELEON

SIGNATURE: /Rhonda DeLeon/

DATE SIGNED: 06/05/2019

Total Attachments: 8

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**CONFIRMATORY GRANT OF SECURITY INTEREST
IN UNITED STATES PATENTS**

THIS CONFIRMATORY GRANT OF SECURITY INTEREST IN UNITED STATES PATENTS (as the same may be amended, restated, supplemented or otherwise modified from time to time, the “Confirmatory Grant”) is made effective as of June 3, 2019 by and from NAVILYST MEDICAL, INC., a Delaware corporation (“Grantor”) 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, “Grantee”).

WHEREAS, AngioDynamics, Inc., the Lenders and Grantee have entered into a Credit Agreement dated as of June 3, 2019 (as may be amended, restated, supplemented or otherwise modified from time to time, the “Credit Agreement”).

WHEREAS, Grantor and certain Subsidiaries of AngioDynamics, Inc. have guaranteed the repayment of the Secured Obligations pursuant to a Guaranty dated as of June 3, 2019 (as may be amended, restated, supplemented or otherwise modified from time to time).

WHEREAS, Grantor, AngioDynamics, Inc. and certain Subsidiaries of AngioDynamics, Inc. have entered into a Pledge and Security Agreement dated as of June 3, 2019 (as may be amended, restated, supplemented or otherwise modified from time to time, the “Security Agreement”).

WHEREAS, Grantor owns the patents and patent applications listed on Exhibit A attached hereto (the “Patents”).

WHEREAS, this Confirmatory Grant has been granted in conjunction with the security interest granted under the Security Agreement to Grantee for the benefit of the Secured Parties. The rights and remedies of 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 Confirmatory Grant are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern.

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 not 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 Confirmatory Grant is made to secure the satisfactory performance and payment of (i) all the Secured Obligations and (ii) all of the obligations and liabilities of the Subsidiary Guarantors under the Credit Agreement. Upon the payment in full of all Secured Obligations (other than Unliquidated Obligations), Grantee shall promptly, upon such

satisfaction, execute, acknowledge, and deliver to Grantor all reasonably requested instruments in writing releasing the security interest in the Patents acquired under the Security Agreement and this Confirmatory Grant.

(b) Grantor hereby pledges, assigns and grants to Grantee on behalf of and for the benefit of the Secured Parties, a security interest in (1) all of Grantor's right, title and interest in and to the Patents now owned or from time to time after the date hereof owned or acquired by Grantor, together with (2) all inventions and improvements claimed therein, (3) all reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof, (4) all licenses of the foregoing whether as licensee or licensor, (5) all income, royalties, damages, claims and payments now or hereafter due or payable under and with respect thereto, including, without limitation, damages and payments for past and future infringements thereof, (6) all rights to sue for past, present and future infringements thereof, and (7) all rights corresponding to any of the foregoing throughout the world.

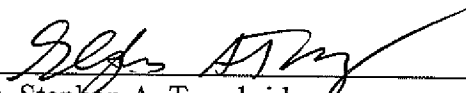
(c) Notwithstanding anything to the contrary herein, this Confirmatory Grant and the security interests granted hereby are subject to the limitations set forth in Article II of the Security Agreement (which are incorporated herein *mutatis mutandis* by this reference).

3) Counterparts. This Confirmatory Grant may be executed in any number of counterparts and by different parties in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Signature pages may be detached from multiple separate counterparts and attached to a single counterpart.

4) Governing Law. This Confirmatory Grant and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the law of the State of New York.

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

NAVILYST MEDICAL, INC.

By: 
Name: Stephen A. Trowbridge
Title: Senior Vice President and General Counsel

**CONFIRMATORY GRANT OF SECURITY INTEREST
IN UNITED STATES PATENTS**

Exhibit A - SCHEDULE OF PATENTS

NAVILYST MEDICAL, INC. – US PATENTS-APPLICATIONS – OWNED								
No.	TITLE	PATENT NO./ APP NO.	DATE FILED	STATUS	GRANT DATE	EXPIRY DATE	ANGIO RIGHTS	OWNER
1	Pressure actuated valve with improved biasing member	7435236	27-Jun-03	Issued	14-Oct-08	22-Jan-26	OWN	Navilyst Medical, Inc.
2	Valve port assembly with coincident engagement member for fluid transfer procedures	7473240	4-Aug-03	Issued	6-Jan-09	27-Dec-21	OWN	Navilyst Medical, Inc.
3	Valved Catheters including high flow rate catheters	8079987	20-Jun-07	Issued	20-Dec-11	14-Nov-25	OWN	Navilyst Medical, Inc.
4	Power Injection Valve	8523821	23-Nov-11	Issued	3-Sep-13	29-Jan-29	OWN	Navilyst Medical, Inc.
5	Method to Secure an Elastic Component in a Valve	8753320	5-Jul-11	Issued	17-Jun-14	19-Aug-29	OWN	Navilyst Medical, Inc.
6	Implantable Vascular Access Device	6319226	20-Sep-99	Issued	20-Nov-01	20-Sep-19	OWN	Navilyst Medical, Inc.
7	Self-Occluding Catheter	6179806	5-Aug-99	Issued	30-Jan-01	5-Aug-19	OWN	Navilyst Medical, Inc.
8	Self-Occluding Catheter	7329234	17-Jan-01	Issued	12-Feb-08	25-Mar-23	OWN	Navilyst Medical, Inc.

9	High Flow Rate Dialysis Catheters and Related Methods	10105477	21-Aug-13	Issued	23-Oct-18	7-Jun-19	OWN	Navilyst Medical, Inc.
10	Pressure Actuated Valve with Improved Slit Configuration	7951121	30-Jul-03	Issued	31-May-11	2-Mar-26	OWN	Navilyst Medical, Inc.
11	Pressure Activated Valve with High Flow Slit	8034035	29-Jan-04	Issued	11-Oct-11	1-May-29	OWN	Navilyst Medical, Inc.
12	Pressure Activated Safety Valve with High Flow Slit	9314608	11-Jan-13	Issued	19-Apr-16	4-Jul-25	OWN	Navilyst Medical, Inc.
13	Pressure Responsive Slit Valve Assembly for a Plurality of Fluids and Uses Thereof	7988679	18-Mar-03	Issued	2-Aug-11	27-Mar-25	OWN	Navilyst Medical, Inc.
14	Pressure Responsive Slit Valve Assembly for a Plurality of Fluids and Uses Thereof	8679074	21-Jun-11	Issued	25-Mar-14	6-Jun-23	OWN	Navilyst Medical, Inc.
15	Percutaneous Access	6607504	29-Jun-01	Issued	19-Aug-03	29-Jun-21	OWN	Navilyst Medical, Inc.
16	Implantable Medical Device for Improved Placement and Adherence in the Body	8574204	21-Oct-02	Issued	5-Nov-13	6-Nov-30	OWN	Navilyst Medical, Inc.

17	Implantable Medical Device for Improved Placement and Adherence in the Body	9895523	17-Sep-15	Issued	20-Feb-18	21-Oct-22	OWN	Navilyst Medical, Inc.
18	Implantable Medical Device for Improved Placement in the Body	9168365	1-Nov-13	Issued	27-Oct-15	6-Nov-30	OWN	Navilyst Medical, Inc.
19	Injection Access Port with Chamfered Top Hat Septum Design	8366687	6-Jan-04	Issued	5-Feb-13	20-May-26	OWN	Navilyst Medical, Inc.
20	Dual Well Port Device	8267915	29-Jan-04	Issued	18-Sep-12	19-Nov-27	OWN	Navilyst Medical, Inc.
21	Pressure Activated Safety Valve with Anti-adherent coating	8187234	29-Jan-04	Issued	29-May-12	1-Jul-24	OWN	Navilyst Medical, Inc.
22	Pressure activated safety valve with grooved membrane	8454574	30-Apr-12	Issued	4-Jun-13	29-Jan-24	OWN	Navilyst Medical, Inc.
23	Pressure Activated Safety Valve with Grooved Membrane	8790329	29-Apr-13	Issued	29-Jul-14	29-Jan-24	OWN	Navilyst Medical, Inc.
24	Stacked membrane for pressure actuated valve	9933079	29-Jan-04	Issued	3-Apr-18	4-Apr-27	OWN	Navilyst Medical, Inc.
25	Dual Lumen Port with F-Shaped Connector	8277425	24-Mar-04	Issued	2-Oct-12	26-Jan-30	OWN	Navilyst Medical, Inc.

26	Pressure activated safety valve with improved flow characteristics and durability	8328768	11-Feb-05	Issued	11-Dec-12	12-Jan-26	OWN	Navilyst Medical, Inc.
27	Valved Catheter with Power Injection Bypass	8585660	25-Jan-06	Issued	19-Nov-13	25-Jan-26	OWN	Navilyst Medical, Inc.
28	Pressure Activated Valve for High Flow Rate and Pressure Venous Access Applications	8257321	21-May-08	Issued	4-Sep-12	21-May-28	OWN	Navilyst Medical, Inc.
29	Valved Catheters Including High Flow Rate Catheters	8540685	16-Nov-11	Issued	24-Sep-13	29-Aug-23	OWN	Navilyst Medical, Inc.
30	High Flow Catheters	8603067	17-May-12	Issued	10-Dec-13	22-Mar-31	OWN	Navilyst Medical, Inc.
31	High Flow Catheters	9999746	4-May-15	Issued	19-Jun-18	8-Nov-31	OWN	Navilyst Medical, Inc.
32	High Flow Rate Dialysis Catheters and Related Methods	16243181	9-Jan-19	Pending Pub. No.: 2019/0143022			OWN	Navilyst Medical, Inc. (See US Patent No. 10105477)
33	High Flow Rate Dialysis Catheters And Related Methods	6595966	5/16/2001	Issued	7/22/2003		OWN	Navilyst Medical, Inc.

34	High Flow Rate Dialysis Catheters And Related Methods	<u>7410602</u>	4/22/2003	Issued	8/12/2008		OWN	Navilyst Medical, Inc.
35	Valved catheters including high flow rate catheters	<u>7252652</u>	8/29/2003	Issued	8/7/2007		OWN	Navilyst Medical, Inc.
36	Multi-slit high flow valve	<u>7993327</u>	8/6/2007	Issued	8/9/2011		OWN	Navilyst Medical, Inc.