

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Nypro Inc.	09/27/2012
RECEIVING PARTY DATA	
Name:	NP Medical Inc.
Street Address:	101 Union Street
City:	Clinton
State/Country:	MASSACHUSETTS
Postal Code:	01510-2005
PROPERTY NUMBERS Total: 29	
Property Type	Number
Application Number:	11786437
Application Number:	12951390
Application Number:	13330937
Patent Number:	5070905
Patent Number:	5190067
Patent Number:	5465938
Patent Number:	5535785
Patent Number:	5775671
Patent Number:	6039302
Patent Number:	6883778
Patent Number:	6585229
Patent Number:	6755391
Patent Number:	6869426
Patent Number:	6892998
Patent Number:	7014169

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Patent Number:	7100890
Patent Number:	7357792
Patent Number:	7396348
Patent Number:	7789864
Patent Number:	7914502
Patent Number:	7753892
Patent Number:	7887519
Patent Number:	7837658
Patent Number:	7815168
Patent Number:	7857284
Patent Number:	8002755
Patent Number:	7879012
Patent Number:	8100869
Patent Number:	8100868

#### CORRESPONDENCE DATA

Fax Number: 6174430004  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 6174439292  
 Email: kwhitehouse@sunsteinlaw.com  
 Correspondent Name: Jonathan C. Lovely  
 Address Line 1: 125 Summer Street  
 Address Line 2: Sunstein Kann Murphy & Timbers LLP  
 Address Line 4: Boston, MASSACHUSETTS 02110-1618

ATTORNEY DOCKET NUMBER:	1600/100
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NAME OF SUBMITTER:	Jonathan C. Lovely
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Total Attachments: 7  
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## PATENT ASSIGNMENT

WHEREAS, Nypro Inc. (hereinafter "Assignor"), a Massachusetts Corporation, having a place of 101 Union Street, Clinton, MA 01510-2005, is the owner of the entire right, title and interest in and to the inventions disclosed in the United States patent applications and United States patents on the schedule attached hereto and incorporated herein by reference as Exhibit A and in and to such patent applications and such patents;

WHEREAS, NP Medical Inc. (hereinafter "Assignee"), a Massachusetts Corporation, having a place of business at 101 Union Street, Clinton, MA 01510-2005, is desirous of acquiring the entire right, title and interest in and to such inventions, patent applications and patents;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents does hereby sell, assign and transfer to Assignee, its successors and assigns, the entire right, title and interest in and to such inventions, such patent applications and such patents and any patents, and any reissues and extensions thereof, which issue or have issued in any country upon patent applications which correspond with any of such applications or patents or any divisional, continuation-in-whole, or continuation-in-part thereof, including the right to sue and collect for past infringement; the same to be held and enjoyed by Assignee for its own use, and for the use of its legal representatives, to the full term for which such patents have been granted as fully and entirely as the same would have been held by Assignor had this assignment not been made.

Assignor does hereby further covenant and agree that it will not execute any writing or do any act whatsoever conflicting with these presents, and that Assignor, its successors and assigns, will at any time upon request without further additional consideration, but at the expense of Assignee, its successors and assigns, execute such additional writings and do such additional acts as Assignee, its successors and assigns, may determine as necessary or desirable in the enjoyment of this grant, and in any proceedings or transactions involving such inventions, patent applications or patents.

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed as of the date indicated below.

NYPRO INC.

By: [Signature]  
Name: Elissa Boisvert  
Title: Senior Corporate Counsel

Date: Sept. 27, 2012

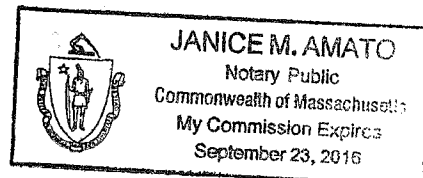
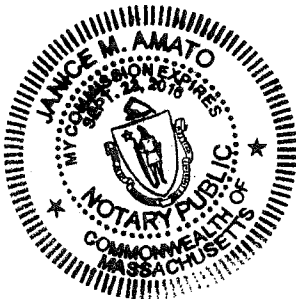
**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF Massachusetts  
COUNTY OF Worcester

Before me, the undersigned, a Notary Public in and for the county aforesaid, on this 27th day of September 2012, Elissa Boisvert personally appeared and who being by me duly sworn, deposes and says that she is the Senior Corporate Counsel of Nypro Inc. and that she is authorized to sign and has signed the foregoing instrument as such Senior Corporate Counsel and that she acknowledges such signing to be the free act and deed of Nypro Inc.

[Signature]  
Notary Public

My Commission Expires:



### DECLARATION OF ACCEPTANCE BY ASSIGNEE

The above named Assignee, NP Medical Inc., hereby declares that with effect from this 27<sup>th</sup> day of September, 2012, it accepts the patents, including all goodwill of the business symbolized by such patents including all rights to recover past, present and future damages for infringement, assigned to it by Assignor, NP Medical Inc., pursuant to the foregoing Patent Assignment.

NP MEDICAL INC.

By: \_\_\_\_\_

Name: Elissa Boisvert

Title: Senior Corporate Counsel

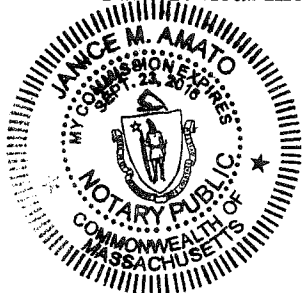
Date: Sept. 27, 2012

### CERTIFICATE OF ACKNOWLEDGMENT

STATE OF Massachusetts

COUNTY OF Worcester

Before me, the undersigned, a Notary Public in and for the county aforesaid, on this 27<sup>th</sup> day of September, 2012, Elissa Boisvert personally appeared and who being by me duly sworn, deposes and says that she is the Senior Corporate Counsel of NP Medical Inc. and that she is authorized to sign and has signed the foregoing instrument as such Senior Corporate Counsel and that she acknowledges such signing to be the free act and deed of NP Medical Inc.



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Janice M. Amato  
Notary Public

My Commission Expires:

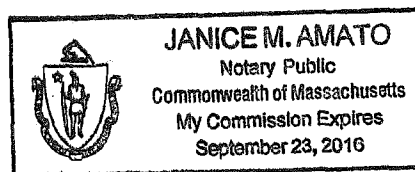


EXHIBIT A

U.S. Applications

<u>Serial No.</u>	<u>Date Filed</u>	<u>First Named Inventor</u>	<u>Title of Invention</u>
11/786,437	April 11, 2007	Kimball	Medical Valve with Resilient Biasing Member
12/951,390	Nov. 22, 2010	Cote	Anti-Drawback Medical Valve
13/330,937	Dec. 20, 2011	Newton	Anti-Drawback Medical Valve

U.S. Patents

<u>Patent No.</u>	<u>Issue Date</u>	<u>First Named Inventor</u>	<u>Title of Invention</u>
5,070,905	Dec. 10, 1991	Paradis	Directional Flow Control
5,190,067	March 2, 1993	Kotsifas	Directional Flow Control
5,465,938	Nov. 14, 1995	Kotsifas	Universal Fluid Flow Control
5,535,785	July 16, 1996	Kotsifas	Luer-Activated Check Valve
5,775,671	July 7, 1998	Cote	Luer-Activated Valve
6,039,302	March 21, 2000	Cote	Swabbable Luer-Activated Valve
6,883,778	April 26, 2005	Newton	Apparatus for Reducing Fluid Drawback Through a Medical Valve
6,585,229	July 1, 2003	Cote	Medical Nozzle Securing Apparatus
6,755,391	June 29, 2004	Newton	Anti-Drawback Medical Valve
6,869,426	March 22, 2005	Ganem	Anti-Drawback Medical Valve
6,892,998	May 17, 2005	Newton	Medical Valve and Method of Assembling the Same
7,014,169	March 21, 2006	Newton	Anti-Drawback Medical Valve
7,100,890	Sept. 5, 2006	Cote	Swabbable Luer-Activated Valve - Broadened Claims
7,357,792	April 15, 2008	Newton	Positive Push Medical Valve With Internal Seal
7,396,348	July 8, 2008	Newton	Medical Valve With Expandable Member
7,789,864	Sept. 7, 2010	Cote	Luer-Activated Valve
7,914,502	March 29, 2010	Newton	Anti-Drawback Medical Valve
7,753,892	July 13, 2010	Newton	Anti-Drawback Medical Valve
7,887,519	Feb. 15, 2011	Cote	Valve With Internal Lifter
7,837,658	Nov. 23, 2010	Cote	Anti-Drawback Medical Valve
7,815,168	Oct. 19, 2010	Vangsness	Medical Valve with Rotating Member and Method
7,857,284	Dec. 28, 2010	Kimball	Medical Valve with Movable Member
8,002,755	Aug. 23, 2011	Vangsness	Anti-Drawback Medical Valve and Method
7,879,012	Feb. 1, 2011	Kane	Medical Valve with Resilient Sealing Member
8,100,869	Jan. 24, 2012	Vangsness	Medical Valve with Expandable Member
8,100,868	Jan. 24, 2012	Newton	Anti-Drawback Medical Valve

Foreign Applications

<u>Country</u>	<u>Application No.</u>	<u>Date Filed</u>	<u>Title of Invention</u>
Canada	2,595,506	June 10, 2005	Anti-Drawback Medical Valve
Korea	10-2007-7018968	June 10, 2005	Anti-Drawback Medical Valve
Europe	06 770 479.1	May 16, 2006	Anti-Drawback Medical Valve
Korea	10-2007-702411	May 16, 2006	Anti-Drawback Medical Valve
Canada	2,649,438	April 11, 2007	Medical Valve with Moving Member and Method
Europe	07 775 040.4	April 11, 2007	Medical Valve with Moving Member and Method
Hong Kong	09 104 343.7	April 11, 2007	Medical Valve with Moving Member and Method
India	6151/CHENP/2008	April 11, 2007	Medical Valve with Moving Member and Method
Australia	2007286053	August 10, 2007	Medical Valve with Expandable Member
Brazil	PI0714767-8	August 10, 2007	Medical Valve with Expandable Member
Canada	2,660,838	August 10, 2007	Medical Valve with Expandable Member
Costa Rica	10597	August 10, 2007	Medical Valve with Expandable Member
Europe	07 800 081.7	August 10, 2007	Medical Valve with Expandable Member
India	623/CHENP/2009	August 10, 2007	Medical Valve with Expandable Member



### Foreign Granted Patents

<u>Country</u>	<u>Patent No.</u>	<u>Grant Date</u>	<u>Title of Invention</u>
Australia	745441	July 4, 2002	Swabbable Luer-Activated Valve
Europe <sup>1</sup>	0952868	March 31, 2004	Swabbable Luer-Activated Valve
Canada	2,271,972	January 29, 2008	Swabbable Luer-Activated Valve
Japan	3752631	Dec. 22, 2005	Swabbable Luer-Activated Valve
Korea	10-457361	November 5, 2004	Swabbable Luer-Activated Valve
South Africa	2007/04753	April 30, 2008	Anti-Drawback Medical Valve
South Africa	2007/08954	November 26, 2008	Anti-Drawback Medical Valve
Singapore	146932	May 31, 2011	Medical Valve with Moving Member and Method
Singapore	150080	January 31, 2012	Medical Valve with Expandable Member
Europe <sup>2</sup>	1656179	April 18, 2012	Anti-Drawback Medical Valve
Japan	4866727	November 18, 2011	Anti-Drawback Medical Valve
Europe <sup>3</sup>	1838384	March 24, 2010	Anti-Drawback Medical Valve
Australia	2005325198	September 1, 2011	Anti-Drawback Medical Valve
Japan	4829898	September 22, 2011	Anti-Drawback Medical Valve
Australia	2006247269	February 23, 2012	Anti-Drawback Medical Valve
Japan	5004948	June 1, 2012	Anti-Drawback Medical Valve

<sup>1</sup> European Patent No. 0952868 is granted in Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Liechtenstein, Luxembourg, Monaco, the Netherlands, Portugal, Spain, Sweden, Switzerland, United Kingdom. German patent number is 69728422.0.

<sup>2</sup> European Patent No. 1656179 is granted in France, Germany, Italy, Spain, United Kingdom. German patent number is 602004037445.8.

<sup>3</sup> European Patent No. 1838384 is granted in Austria, Belgium, Czech Republic, France, Germany, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, Switzerland, United Kingdom. German patent number is 602005020190.4.