

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4252296

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTOPHER LACY	01/18/2017
HARSHAD BORGAONKAR	01/17/2017
JONATHAN SANBORN	01/18/2017
GRANT ADAMS	01/17/2017
JAMES DROST	01/17/2017
KEVIN KRAUTBAUER	01/18/2017
MICHAEL ACKER	01/25/2017
JENNIFER TSAI	01/19/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SMITHS MEDICAL ASD, INC.
<b>Street Address:</b>	6000 NATHAN LANE NORTH
<b>City:</b>	PLYMOUTH
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55442
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	29583354
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)349-9266
<i>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.</i>	
<b>Email:</b>	hoska@ptslaw.com
<b>Correspondent Name:</b>	MIKE GATES
<b>Address Line 1:</b>	4800 IDS CENTER
<b>Address Line 2:</b>	80 S. 8TH STREET
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	4176.239US01
<b>NAME OF SUBMITTER:</b>	JENNIFER HOSKA
<b>SIGNATURE:</b>	/Jennifer Hoska/

<b>DATE SIGNED:</b>	01/31/2017
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**Total Attachments: 4**  
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source=4176\_239US01\_Assignment#page4.tif

ASSIGNMENT

WHEREAS, we, Christopher Lacy, Arden Hills, MN, Harshad Borgaonkar, Shoreview, MN, Jonathan Sanborn, Saint Louis Park, MN, Grant Adams, Anoka, MN, James Drost, Woodbury, MN, Kevin Krautbauer, Saint Paul, MN, Michael Acker, Saint Paul, MN, Jennifer Tsai, Stillwater, MN, ("Assignors"), have invented certain new and useful improvements in LARGE VOLUME PUMP, for which an application for Letters Patent of the United States has been made, and which may be identified in the United States Patent Office by Application No. 29/583,354, filed November 4, 2016.

WHEREAS, Smiths Medical ASD, Inc. ("Assignee"), a business entity organized and existing under the laws of the State of Delaware, and having its principal offices at 6000 Nathan Lane North, Plymouth, Minnesota 55442,, is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor,

NOW, THEREFORE, for and in consideration of good and valuable consideration paid by Assignee to Assignors, the receipt and sufficiency of which is hereby acknowledged by us, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said Assignee, its successors and assigns, our entire right, title and interest in and to said invention, said application, all applications claiming priority to said application including all divisions, continuations or renewals thereof, and the Letters Patent, both foreign and domestic, that may or shall issue, therefrom including all reissues or extensions of such patents including all of our rights under the International Convention and further including the right to sue, counterclaim and recover for past, present and future infringement of the rights assigned or to be assigned, as fully and entirely as the same would have been held by the Assignors if this assignment had not been made, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignee in accordance herewith.

We hereby authorize the above mentioned Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the date of execution and/or filing date and application number of said application when ascertained.

We further authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the International Convention.

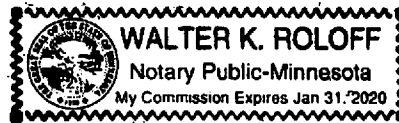
Upon said consideration we do hereby covenant and agree with the said Assignee, its successors and assigns, that we will not execute in writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original,

divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

Date: 1/18/2017  
Month/Day/Year

Christopher Lacy  
Christopher Lacy

Subscribed to and sworn to before me this 18 day of January, 2017.



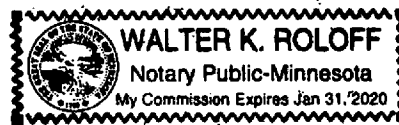
W. K. Roloff  
Notary Public

Notary Seal

Date: 01/17/2017  
Month/Day/Year

H.M. Borgaonkar  
Harshad Borgaonkar

Subscribed to and sworn to before me this 17 day of January, 2017.



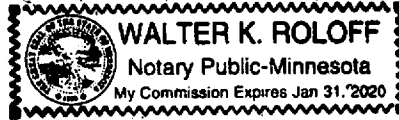
W. K. Roloff  
Notary Public

Notary Seal

Date: 1/18/2017  
Month/Day/Year

Jonathan Sanborn  
Jonathan Sanborn

Subscribed to and sworn to before  
me this 18 day of January, 2017.



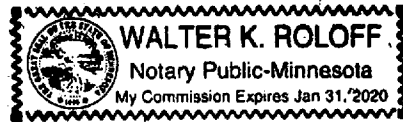
W.K. Roloff  
Notary Public

Notary Seal

Date: 1/17/2017  
Month/Day/Year

Grant Adams  
Grant Adams

Subscribed to and sworn to before  
me this 17 day of January, 2017.



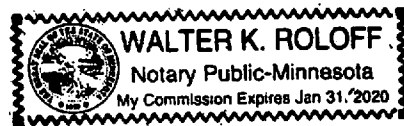
W.K. Roloff  
Notary Public

Notary Seal

Date: 1/17/2017  
Month/Day/Year

James Drost  
James Drost

Subscribed to and sworn to before  
me this 17 day of January, 2017.



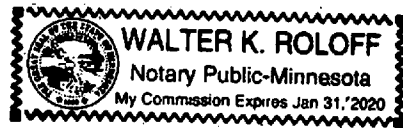
W.K. Roloff  
Notary Public

Notary Seal

Date: 1/18/2017  
Month/Day/Year

[Signature]  
Kevin Krautbauer

Subscribed to and sworn to before  
me this 18 day of January, 2017.



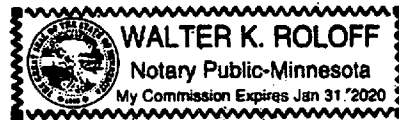
[Signature]  
Notary Public

Notary Seal

Date: 1/25/2017  
Month/Day/Year

[Signature]  
Michael Acker

Subscribed to and sworn to before  
me this 25 day of January, 2017.



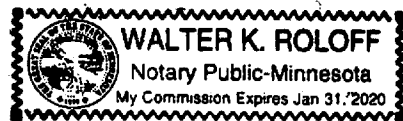
[Signature]  
Notary Public

Notary Seal

Date: 1/19/2017  
Month/Day/Year

[Signature]  
Jennifer Tsai

Subscribed to and sworn to before  
me this 19 day of January, 2017.



[Signature]  
Notary Public

Notary Seal