

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3002523

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANNA LEE TONKOVICH	06/19/2014
RAVI ARORA	07/10/2014
JOHN BROPHY	06/06/2014
FRANCIS P. DALY	07/28/2014
SOUMITRA DESHMUKH	07/10/2014
MADDALENA FANELLI	06/05/2014
KAI TOD PAUL JAROSCH	07/10/2014
TIMOTHY J. LAPLANTE	07/28/2014
RICHARD Q. LONG	06/06/2014
TERRY MAZANEC	06/05/2014
DANIEL FRANCIS RYAN	06/05/2014
LAURA J. SILVA	07/10/2014
WAYNE W. SIMMONS	08/22/2014
BRUCE STANGELAND	06/07/2014
YONG WANG	06/10/2014
THOMAS YUSCHAK	07/10/2014
STEVEN T. PERRY	07/18/2014
JEFFREY DALE MARCO	07/15/2014
MICHAEL ALAN MARCHIANDO	07/10/2014
ROBERT DWAYNE LITT	07/15/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VELOCYS, INC.
<b>Street Address:</b>	7950 CORPORATE BLVD.
<b>City:</b>	PLAIN CITY
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	43064
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14288936

**CORRESPONDENCE DATA****Fax Number:** (216)621-6165*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:** 216-621-1113**Email:** jfarr@rennerotto.com**Correspondent Name:** RENNER OTTO BOISSELLE & SKLAR, LLP**Address Line 1:** 1621 EUCLID AVENUE**Address Line 2:** NINETEENTH FLOOR**Address Line 4:** CLEVELAND, OHIO 44115

<b>ATTORNEY DOCKET NUMBER:</b>	VELOP0112USD
<b>NAME OF SUBMITTER:</b>	NEIL A. DUCHEZ
<b>SIGNATURE:</b>	/Neil A. DuChez/
<b>DATE SIGNED:</b>	08/29/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 42**

source=Executed\_Dec\_and\_Assignment#page1.tif  
source=Executed\_Dec\_and\_Assignment#page2.tif  
source=Executed\_Dec\_and\_Assignment#page3.tif  
source=Executed\_Dec\_and\_Assignment#page4.tif  
source=Executed\_Dec\_and\_Assignment#page5.tif  
source=Executed\_Dec\_and\_Assignment#page6.tif  
source=Executed\_Dec\_and\_Assignment#page7.tif  
source=Executed\_Dec\_and\_Assignment#page8.tif  
source=Executed\_Dec\_and\_Assignment#page9.tif  
source=Executed\_Dec\_and\_Assignment#page10.tif  
source=Executed\_Dec\_and\_Assignment#page11.tif  
source=Executed\_Dec\_and\_Assignment#page12.tif  
source=Executed\_Dec\_and\_Assignment#page13.tif  
source=Executed\_Dec\_and\_Assignment#page14.tif  
source=Executed\_Dec\_and\_Assignment#page15.tif  
source=Executed\_Dec\_and\_Assignment#page16.tif  
source=Executed\_Dec\_and\_Assignment#page17.tif  
source=Executed\_Dec\_and\_Assignment#page18.tif  
source=Executed\_Dec\_and\_Assignment#page19.tif  
source=Executed\_Dec\_and\_Assignment#page20.tif  
source=Executed\_Dec\_and\_Assignment#page21.tif  
source=Executed\_Dec\_and\_Assignment#page22.tif  
source=Executed\_Dec\_and\_Assignment#page23.tif  
source=Executed\_Dec\_and\_Assignment#page24.tif  
source=Executed\_Dec\_and\_Assignment#page25.tif  
source=Executed\_Dec\_and\_Assignment#page26.tif  
source=Executed\_Dec\_and\_Assignment#page27.tif  
source=Executed\_Dec\_and\_Assignment#page28.tif  
source=Executed\_Dec\_and\_Assignment#page29.tif  
source=Executed\_Dec\_and\_Assignment#page30.tif

source=Executed\_Dec\_and\_Assignment#page31.tif  
source=Executed\_Dec\_and\_Assignment#page32.tif  
source=Executed\_Dec\_and\_Assignment#page33.tif  
source=Executed\_Dec\_and\_Assignment#page34.tif  
source=Executed\_Dec\_and\_Assignment#page35.tif  
source=Executed\_Dec\_and\_Assignment#page36.tif  
source=Executed\_Dec\_and\_Assignment#page37.tif  
source=Executed\_Dec\_and\_Assignment#page38.tif  
source=Executed\_Dec\_and\_Assignment#page39.tif  
source=Executed\_Dec\_and\_Assignment#page40.tif  
source=Executed\_Dec\_and\_Assignment#page41.tif  
source=Executed\_Dec\_and\_Assignment#page42.tif

Renner Otto Docket No.	VELOP0112USD
------------------------	--------------

PATENT (US)

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION**

Title of Invention:	PROCESS AND APPARATUS EMPLOYING MICROCHANNEL PROCESS TECHNOLOGY
---------------------	---

As a below named inventor, I hereby declare that this declaration and assignment are directed to:

Application No. ( <i>Express Mail Label No.</i> )	
Filing Date ( <i>Deposit Date</i> )	
Amended on ( <i>if applicable</i> )	

or, if no application is identified above, the attached application.

**DECLARATION**

The above application was made or authorized to be made by me.

I believe that I am the original or an original joint inventor of a claimed invention in the application.

My residence, mailing address and citizenship are as stated below next to my name.

I have reviewed and understand the contents of the application, including the claims.

I hereby acknowledge that any willful false statement made in this declaration is punishable under Section 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) year, or both.

**DOMESTIC PRIORITY CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. § 120**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	PATENT NUMBER
12/576,458	09/10/2009	

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) that is/are listed below.

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (day, month, year)
61/104,432	10/10/2008
61/171,884	23/04/2009
61/234,453	17/08/2009

#### FOREIGN PRIORITY CLAIM

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), priority benefits under 35 U.S.C. § 119 (a)-(d) or (f), § 172 or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, that is/are listed below, and have also identified below any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s) or any PCT international application(s) having a filing date before that of the application(s) on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY NOT CLAIMED

#### DUTY OF DISCLOSURE

I hereby acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56, which in pertinent part states that information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or (2) it refutes, or is inconsistent with, a position the applicant takes in: (i) opposing an argument of unpatentability relied on by the Office, or (ii) asserting an argument of patentability. A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

#### ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I have sold and assigned and hereby sell and assign to:

Assignee(s)	Address
Velocys, Inc.	7950 Corporate Blvd. Plain City, Ohio 43064

[If more than one assignee is listed, each owns an undivided equal share in the application and underlying invention so far as concerns the United States unless otherwise indicated or agreed to by the assignees.]

and the successors and assigns thereof, the entire right, title and interest to (i) said invention, (ii) said application, (iii) any and all provisional applications on which priority is claimed, any and all related patent applications in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, renewals, conversions, substitutes, reexaminations, reissues, convention, international (PCT) and other applications based in whole or in part upon said invention or upon said applications, (iv) any and all patents, including renewals, reissues, certificates of reexamination and extensions thereof granted for said invention or upon said applications, for the full term or terms for which the same may be granted, and (v) all priority rights that are or may be predicated upon or arise from said invention, said applications and said patents.

If the application number and filing date are not set forth above, authorization is hereby given for any attorney of record in the subject patent application to insert below the application number and filing date information for this application when that information becomes available

Application No.	
Filing Date	

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment and sale

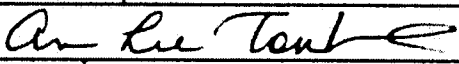
I authorize said Assignee(s) to file in my own name or in its own name applications for patent in any country that are predicated upon or arise from said invention, said applications and said patents.


I appoint said Assignee(s) as my common representative to represent me before all competent International authorities in connection with any international application predicated upon or arising from said invention, said applications and said patents.

I further covenant that Assignee(s) will, upon request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to me and will testify as to the same in any proceeding related thereto and will promptly execute and deliver to Assignee(s), or the legal representative thereof, any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof

I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid U.S. patent and any foreign patents to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by me if this Assignment had not been made.

I agree that this assignment shall be construed in accordance with the law of the state/country in which the first above-listed Assignee is located as above indicated, and without regard to its conflicts of laws provisions.

Legal Name of Inventor:	Anna Lee Tonkovich		
Inventor's signature:		Date	6/19/14
Residence: (City & State/Country):	Gilbert, Arizona 85297	Citizenship:	USA
Post Office Address:	4086 E. Claxton Avenue, Gilbert, Arizona 85297 3509 S. Swan Dr		

Legal Name of Inventor:	Ravi Arora		
Inventor's signature:		Date	7/10/2014
Residence: (City & State/Country):	New Albany, Ohio 43054 USA	Citizenship:	USA
Post Office Address:	7043 Cunningham Drive, New Albany, Ohio 43054 USA		

<b>Legal Name of Inventor:</b>	John Brophy		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Bath, United Kingdom	Citizenship:	GB
Post Office Address:	Eagle Farmhouse, Northend, Bath BA1 8EW, United Kingdom		

<b>Legal Name of Inventor:</b>	Francis P. Daly		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Delaware, Ohio 43015	Citizenship:	US
Post Office Address:	188 North Franklin Street, Delaware, Ohio 43015		

<b>Legal Name of Inventor:</b>	Soumitra Deshmukh		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Dublin, Ohio 43016	Citizenship:	IN
Post Office Address:	4647 Tuttle View Drive, Dublin, Ohio 43016		

<b>Legal Name of Inventor:</b>	Maddalena Fanelli		
Inventor's signature:	<i>Maddalena Fanelli</i>	Date:	6/5/2014
Residence: (City & State/Country):	<del>Columbus, Ohio 43220</del> <i>Howell, MI 48843</i>	Citizenship:	US
Post Office Address:	<del>5535 Esplanade Street, Columbus, Ohio 43220</del> <i>4461 White Horse Drive Howell, MI 48843</i>		

<b>Legal Name of Inventor:</b>	Kai Tod Paul Jarosch		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Bexley, Ohio 43209	Citizenship:	CA
Post Office Address:	839 Vernon Road, Bexley, Ohio 43209		

<b>Legal Name of Inventor:</b>	Timothy J. LaPlante		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Powell, Ohio 43065	Citizenship:	US
Post Office Address:	8305 Tricia Price Drive, Powell, Ohio 43065		

<b>Legal Name of Inventor:</b>	Richard Q. Long		
Inventor's signature:		Date:	
Residence: (City & State/Country):	New Albany, Ohio 43054	Citizenship:	US
Post Office Address:	7375 Tumblebrook Drive, New Albany, Ohio 43054		

<b>Legal Name of Inventor:</b>	Terry Mazanec		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Solon, Ohio 44139	Citizenship:	US
Post Office Address:	7168 Selworthy Lane, Solon, Ohio 44139		

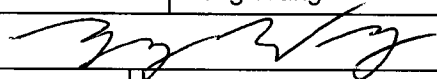
<b>Legal Name of Inventor:</b>	Daniel Francis Ryan		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Brewster, Massachusetts 02631	Citizenship:	US
Post Office Address:	245 Old Long Pond Road, Brewster, Massachusetts 02631		

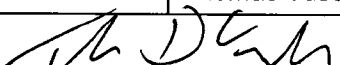
<b>Legal Name of Inventor:</b>	Laura J. Silva		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	5583 Dumfries Court West, Dublin, Ohio 43017		

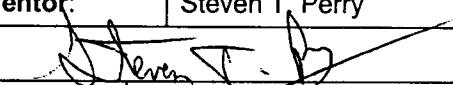
<b>Legal Name of Inventor:</b>	Wayne W. Simmons		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	8870 Tartan Fields Drive, Dublin, Ohio 43017		

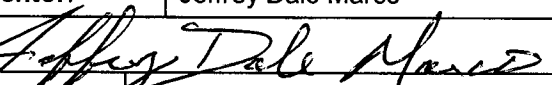
<b>Legal Name of Inventor:</b>	Bruce Stangeland <i>Bruce Stangeland</i> <sup>BS</sup>		
Inventor's signature:	<i>Bruce E. Stangeland</i>	Date:	<i>6/7/14</i>
Residence: (City & State/Country):	Berkeley, California 94708	Citizenship:	US
Post Office Address:	691 Cragmont Avenue, Berkeley, California 94708		




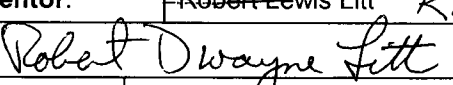
<b>Legal Name of Inventor:</b>	Yong Wang		
Inventor's signature:		Date:	6/10/2014
Residence: (City & State/Country):	Richland, Washington 99352	Citizenship:	US
Post Office Address:	<del>2884 Troon Ct., Richland, Washington 99352</del> 99354 2866 Hawkstone Ct.		

<b>Legal Name of Inventor:</b>	Thomas Yuschak		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	Lewis Center, Ohio 43035	Citizenship:	US
Post Office Address:	2792 Bold Venture Drive, Lewis Center, Ohio 43035		

<b>Legal Name of Inventor:</b>	Steven T. Perry		
Inventor's signature:		Date:	18 July 2014
Residence: (City & State/Country):	Galloway, Ohio 43119	Citizenship:	US
Post Office Address:	<del>8458 Squad Drive, Galloway, Ohio 43119</del> 854 Canoe Ln, DT.P.		

<b>Legal Name of Inventor:</b>	Jeffrey Dale Marco		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	<del>South Charleston, Ohio 45368</del> London 43140	Citizenship:	US
Post Office Address:	<del>10000 South Charleston Pike, South Charleston, Ohio 45368</del> 1855 Spring Valley Rd., London, Ohio 43140		

<b>Legal Name of Inventor:</b>	Michael Alan Marchiando		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	London, Ohio 43140	Citizenship:	US
Post Office Address:	6009 Biggert Road, London, Ohio 43140		

<b>Legal Name of Inventor:</b>	<del>Robert Lewis Litt</del> Robert Dwayne Litt / RDL		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	Westerville, Ohio 43081	Citizenship:	US
Post Office Address:	728 Collingwood Drive, Westerville, Ohio 43081		

Renner Otto Docket No.	VELOP0112USD
------------------------	--------------

PATENT (US)

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION**

Title of Invention:	PROCESS AND APPARATUS EMPLOYING MICROCHANNEL PROCESS TECHNOLOGY
---------------------	---

As a below named inventor, I hereby declare that this declaration and assignment are directed to:

Application No. ( <i>Express Mail Label No.</i> )	
Filing Date ( <i>Deposit Date</i> )	
Amended on ( <i>if applicable</i> )	

or, if no application is identified above, the attached application.

**DECLARATION**

The above application was made or authorized to be made by me.

I believe that I am the original or an original joint inventor of a claimed invention in the application.

My residence, mailing address and citizenship are as stated below next to my name.

I have reviewed and understand the contents of the application, including the claims.

I hereby acknowledge that any willful false statement made in this declaration is punishable under Section 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) year, or both.

**DOMESTIC PRIORITY CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. § 120**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	PATENT NUMBER
12/576,458	09/10/2009	

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) that is/are listed below.

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (day, month, year)
61/104,432	10/10/2008
61/171,884	23/04/2009
61/234,453	17/08/2009

#### FOREIGN PRIORITY CLAIM

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), priority benefits under 35 U.S.C. § 119 (a)-(d) or (f), § 172 or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, that is/are listed below, and have also identified below any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s) or any PCT international application(s) having a filing date before that of the application(s) on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY NOT CLAIMED

#### DUTY OF DISCLOSURE

I hereby acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56, which in pertinent part states that information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or (2) it refutes, or is inconsistent with, a position the applicant takes in: (i) opposing an argument of unpatentability relied on by the Office, or (ii) asserting an argument of patentability. A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

#### ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I have sold and assigned and hereby sell and assign to:

Assignee(s)	Address
Velocys, Inc.	7950 Corporate Blvd. Plain City, Ohio 43064

[If more than one assignee is listed, each owns an undivided equal share in the application and underlying invention so far as concerns the United States unless otherwise indicated or agreed to by the assignees.]

and the successors and assigns thereof, the entire right, title and interest to (i) said invention, (ii) said application, (iii) any and all provisional applications on which priority is claimed, any and all related patent applications in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, renewals, conversions, substitutes, reexaminations, reissues, convention, international (PCT) and other applications based in whole or in part upon said invention or upon said applications, (iv) any and all patents, including renewals, reissues, certificates of reexamination and extensions thereof granted for said invention or upon said applications, for the full term or terms for which the same may be granted, and (v) all priority rights that are or may be predicated upon or arise from said invention, said applications and said patents.

If the application number and filing date are not set forth above, authorization is hereby given for any attorney of record in the subject patent application to insert below the application number and filing date information for this application when that information becomes available.

Application No.	
Filing Date	

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment and sale.

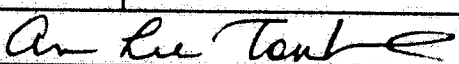
I authorize said Assignee(s) to file in my own name or in its own name applications for patent in any country that are predicated upon or arise from said invention, said applications and said patents.


I appoint said Assignee(s) as my common representative to represent me before all competent International authorities in connection with any international application predicated upon or arising from said invention, said applications and said patents.

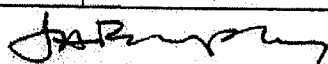
I further covenant that Assignee(s) will, upon request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to me and will testify as to the same in any proceeding related thereto and will promptly execute and deliver to Assignee(s), or the legal representative thereof, any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid U.S. patent and any foreign patents to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by me if this Assignment had not been made.

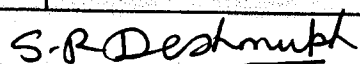
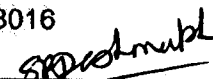
I agree that this assignment shall be construed in accordance with the law of the state/country in which the first above-listed Assignee is located as above indicated, and without regard to its conflicts of laws provisions.

Legal Name of Inventor:	Anna Lee Tonkovich		
Inventor's signature:		Date:	6/19/14
Residence: (City & State/Country):	Gilbert, Arizona 85297	Citizenship:	USA
Post Office Address:	4086 E. Claxton Avenue, Gilbert, Arizona 85297 3509 S. Swan Dr		


Legal Name of Inventor:	Ravi Arora		
Inventor's signature:		Date:	7/10/2014
Residence: (City & State/Country):	New Albany, Ohio 43054 USA	Citizenship:	USA
Post Office Address:	7043 Cunningham Drive, New Albany, Ohio 43054 USA		

<b>Legal Name of Inventor:</b>	John Brophy		
Inventor's signature:		Date:	6-6-14
Residence: (City & State/Country):	Bath, United Kingdom	Citizenship:	GB
Post Office Address:	Eagle Farmhouse, Northend, Bath BA1 8EW, United Kingdom		

<b>Legal Name of Inventor:</b>	Francis P. Daly		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Delaware, Ohio 43015	Citizenship:	US
Post Office Address:	188 North Franklin Street, Delaware, Ohio 43015		

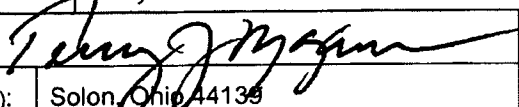
<b>Legal Name of Inventor:</b>	Soumitra Deshmukh		
Inventor's signature:		Date:	7/10/2014
Residence: (City & State/Country):	Dublin, Ohio 43016	Citizenship:	IN
Post Office Address:	<del>4647 Tuttle View Drive, Dublin, Ohio 43016</del> 5756 TUTTLES GROVE BLVD 		

<b>Legal Name of Inventor:</b>	Maddalena Fanelli		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Columbus, Ohio 43220	Citizenship:	US
Post Office Address:	5535 Esplanade Street, Columbus, Ohio 43220		

<b>Legal Name of Inventor:</b>	Kai Tod Paul Jarosch		
Inventor's signature:		Date:	JUL-10-2014
Residence: (City & State/Country):	Bexley, Ohio 43209	Citizenship:	CA
Post Office Address:	839 Vernon Road, Bexley, Ohio 43209		

<b>Legal Name of Inventor:</b>	Timothy J. LaPlante		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Powell, Ohio 43065	Citizenship:	US
Post Office Address:	8305 Tricia Price Drive, Powell, Ohio 43065		

<b>Legal Name of Inventor:</b>	Richard Q. Long		
Inventor's signature:		Date:	
Residence: (City & State/Country):	New Albany, Ohio 43054	Citizenship:	US
Post Office Address:	7375 Tumblebrook Drive, New Albany, Ohio 43054		

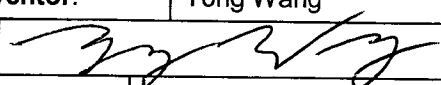
<b>Legal Name of Inventor:</b>	Terry Mazanec		
Inventor's signature:		Date:	5 JUN 14
Residence: (City & State/Country):	Solon, Ohio 44139	Citizenship:	US
Post Office Address:	7168 Selworthy Lane, Solon, Ohio 44139		

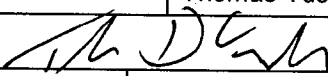
<b>Legal Name of Inventor:</b>	Daniel Francis Ryan		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Brewster, Massachusetts 02631	Citizenship:	US
Post Office Address:	245 Old Long Pond Road, Brewster, Massachusetts 02631		

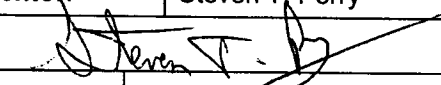
<b>Legal Name of Inventor:</b>	Laura J. Silva		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	5583 Dumfries Court West, Dublin, Ohio 43017		

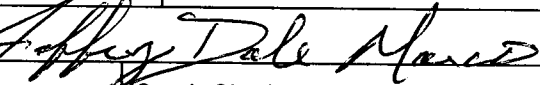
<b>Legal Name of Inventor:</b>	Wayne W. Simmons		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	8870 Tartan Fields Drive, Dublin, Ohio 43017		


<b>Legal Name of Inventor:</b>	Bruce Strangeland		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Berkeley, California 94708	Citizenship:	US
Post Office Address:	691 Cragmont Avenue, Berkeley, California 94708		

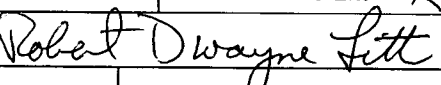
<b>Legal Name of Inventor:</b>	Yong Wang		
Inventor's signature:		Date:	6/10/2014
Residence: (City & State/Country):	Richland, Washington 99352	Citizenship:	US
Post Office Address:	2866 Hawkstone Ct. <del>2804 Troon Ct., Richland, Washington 99352</del>		

<b>Legal Name of Inventor:</b>	Thomas Yuschak		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	Lewis Center, Ohio 43035	Citizenship:	US
Post Office Address:	2792 Bold Venture Drive, Lewis Center, Ohio 43035		

<b>Legal Name of Inventor:</b>	Steven T. Perry		
Inventor's signature:		Date:	18 July 2014
Residence: (City & State/Country):	Galloway, Ohio 43119	Citizenship:	US
Post Office Address:	8458 Squad Drive, Galloway, Ohio 43119 854 Canoe Ln, D.T.P.		

<b>Legal Name of Inventor:</b>	Jeffrey Dale Marco		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	<del>South Charleston, Ohio 45368</del> London 43140	Citizenship:	US
Post Office Address:	<del>10006 South Charleston Pike, South Charleston, Ohio 45368</del> 1855 Spring Valley Rd., London, Ohio 43140		

<b>Legal Name of Inventor:</b>	Michael Alan Marchiando		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	London, Ohio 43140	Citizenship:	US
Post Office Address:	6009 Biggert Road, London, Ohio 43140		

<b>Legal Name of Inventor:</b>	Robert Lewis Litt Robert Dwayne Litt / RDL		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	Westerville, Ohio 43081	Citizenship:	US
Post Office Address:	728 Collingwood Drive, Westerville, Ohio 43081		

Renner Otto Docket No.	VELOP0112USD
------------------------	--------------

PATENT (US)

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION**

Title of Invention:	PROCESS AND APPARATUS EMPLOYING MICROCHANNEL PROCESS TECHNOLOGY
---------------------	---

As a below named inventor, I hereby declare that this declaration and assignment are directed to:

Application No. ( <i>Express Mail Label No.</i> )	
Filing Date ( <i>Deposit Date</i> )	
Amended on ( <i>if applicable</i> )	

or, if no application is identified above, the attached application.

**DECLARATION**

The above application was made or authorized to be made by me.

I believe that I am the original or an original joint inventor of a claimed invention in the application.

My residence, mailing address and citizenship are as stated below next to my name.

I have reviewed and understand the contents of the application, including the claims.

I hereby acknowledge that any willful false statement made in this declaration is punishable under Section 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) year, or both.

**DOMESTIC PRIORITY CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. § 120**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	PATENT NUMBER
12/576,458	09/10/2009	

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) that is/are listed below.



U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (day, month, year)
61/104,432	10/10/2008
61/171,884	23/04/2009
61/234,453	17/08/2009

#### FOREIGN PRIORITY CLAIM

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), priority benefits under 35 U.S.C. § 119 (a)-(d) or (f), § 172 or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, that is/are listed below, and have also identified below any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s) or any PCT international application(s) having a filing date before that of the application(s) on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY NOT CLAIMED

#### DUTY OF DISCLOSURE

I hereby acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56, which in pertinent part states that information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or (2) it refutes, or is inconsistent with, a position the applicant takes in: (i) opposing an argument of unpatentability relied on by the Office, or (ii) asserting an argument of patentability. A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

#### ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I have sold and assigned and hereby sell and assign to:

Assignee(s)	Address
Velocys, Inc.	7950 Corporate Blvd. Plain City, Ohio 43064

[If more than one assignee is listed, each owns an undivided equal share in the application and underlying invention so far as concerns the United States unless otherwise indicated or agreed to by the assignees.]

and the successors and assigns thereof, the entire right, title and interest to (i) said invention, (ii) said application, (iii) any and all provisional applications on which priority is claimed, any and all related patent applications in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, renewals, conversions, substitutes, reexaminations, reissues, convention, international (PCT) and other applications based in whole or in part upon said invention or upon said applications, (iv) any and all patents, including renewals, reissues, certificates of reexamination and extensions thereof granted for said invention or upon said applications, for the full term or terms for which the same may be granted, and (v) all priority rights that are or may be predicated upon or arise from said invention, said applications and said patents.

If the application number and filing date are not set forth above, authorization is hereby given for any attorney of record in the subject patent application to insert below the application number and filing date information for this application when that information becomes available

Application No	
Filing Date	

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment and sale

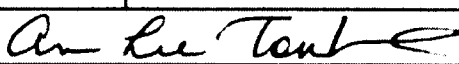
I authorize said Assignee(s) to file in my own name or in its own name applications for patent in any country that are predicated upon or arise from said invention, said applications and said patents.


I appoint said Assignee(s) as my common representative to represent me before all competent International authorities in connection with any international application predicated upon or arising from said invention, said applications and said patents.


I further covenant that Assignee(s) will, upon request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to me and will testify as to the same in any proceeding related thereto and will promptly execute and deliver to Assignee(s), or the legal representative thereof, any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof

I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid U S patent and any foreign patents to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by me if this Assignment had not been made

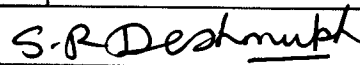
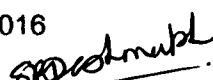
I agree that this assignment shall be construed in accordance with the law of the state/country in which the first above-listed Assignee is located as above indicated, and without regard to its conflicts of laws provisions

Legal Name of Inventor:	Anna Lee Tonkovich		
Inventor's signature:		Date	6/19/14
Residence: (City & State/Country):	Gilbert, Arizona 85297	Citizenship:	USA
Post Office Address:	4086 E. Claxton Avenue, Gilbert, Arizona 85297 3509 S. Swan Dr		

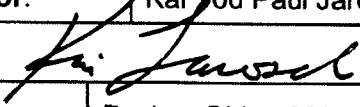
Legal Name of Inventor:	Ravi Arora		
Inventor's signature:		Date	7/10/2014
Residence: (City & State/Country):	New Albany, Ohio 43054 USA	Citizenship:	USA
Post Office Address:	7043 Cunningham Drive, New Albany, Ohio 43054 USA		

<b>Legal Name of Inventor:</b>	John Brophy		
Inventor's signature:		Date:	6-6-14
Residence: (City & State/Country):	Bath, United Kingdom	Citizenship:	GB
Post Office Address:	Eagle Farmhouse, Northend, Bath BA1 8EW, United Kingdom		

<b>Legal Name of Inventor:</b>	Francis P. Daly		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Delaware, Ohio 43015	Citizenship:	US
Post Office Address:	188 North Franklin Street, Delaware, Ohio 43015		

<b>Legal Name of Inventor:</b>	Soumitra Deshmukh		
Inventor's signature:		Date:	7/10/2014
Residence: (City & State/Country):	Dublin, Ohio 43016	Citizenship:	IN
Post Office Address:	<del>4647 Turtles View Drive, Dublin, Ohio 43016</del> 5756 TUTTLES GROVE BLVD 		

<b>Legal Name of Inventor:</b>	Maddalena Fanelli		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Columbus, Ohio 43220	Citizenship:	US
Post Office Address:	5535 Esplanade Street, Columbus, Ohio 43220		

<b>Legal Name of Inventor:</b>	Kai Tod Paul Jarosch		
Inventor's signature:		Date:	Jul-10-2014
Residence: (City & State/Country):	Bexley, Ohio 43209	Citizenship:	CA
Post Office Address:	839 Vernon Road, Bexley, Ohio 43209		

<b>Legal Name of Inventor:</b>	Timothy J. LaPlante		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Powell, Ohio 43065	Citizenship:	US
Post Office Address:	8305 Tricia Price Drive, Powell, Ohio 43065		

<b>Legal Name of Inventor:</b>	Richard Q. Long		
Inventor's signature:	<i>Richard Q. Long</i>	Date:	6/6/2014
Residence: (City & State/Country):	New Albany, Ohio 43054	Citizenship:	US
Post Office Address:	7375 Tumblebrook Drive, New Albany, Ohio 43054		

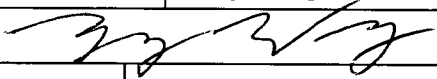
<b>Legal Name of Inventor:</b>	Terry Mazanec		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Solon, Ohio 44139	Citizenship:	US
Post Office Address:	7168 Selworthy Lane, Solon, Ohio 44139		

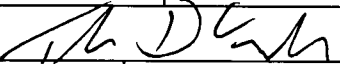
<b>Legal Name of Inventor:</b>	Daniel Francis Ryan		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Brewster, Massachusetts 02631	Citizenship:	US
Post Office Address:	245 Old Long Pond Road, Brewster, Massachusetts 02631		

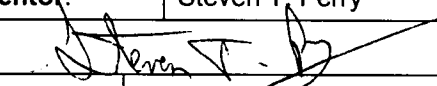
<b>Legal Name of Inventor:</b>	Laura J. Silva		
Inventor's signature:	<i>Laura J. Silva</i>	Date:	7-10-14
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	5583 Dumfries Court West, Dublin, Ohio 43017		

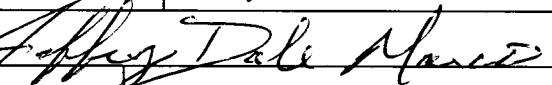
<b>Legal Name of Inventor:</b>	Wayne W. Simmons		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	8870 Tartan Fields Drive, Dublin, Ohio 43017		

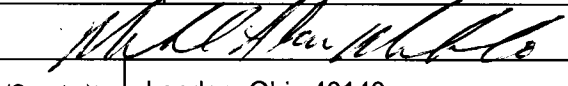
<b>Legal Name of Inventor:</b>	Bruce Strangeland		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Berkeley, California 94708	Citizenship:	US
Post Office Address:	691 Cragmont Avenue, Berkeley, California 94708		

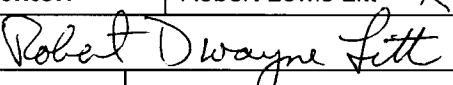
<b>Legal Name of Inventor:</b>	Yong Wang		
Inventor's signature:		Date:	6/10/2014
Residence: (City & State/Country):	Richland, Washington 99352	Citizenship:	US
Post Office Address:	<del>2884 Troon Ct., Richland, Washington 99352</del> 2866 Hawkstone Ct.		

<b>Legal Name of Inventor:</b>	Thomas Yuschak		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	Lewis Center, Ohio 43035	Citizenship:	US
Post Office Address:	2792 Bold Venture Drive, Lewis Center, Ohio 43035		

<b>Legal Name of Inventor:</b>	Steven T. Perry		
Inventor's signature:		Date:	18 July 2014
Residence: (City & State/Country):	Galloway, Ohio 43119	Citizenship:	US
Post Office Address:	<del>8458 Squad Drive, Galloway, Ohio 43119</del> 854 Canoe Ln, G.T.P.		

<b>Legal Name of Inventor:</b>	Jeffrey Dale Marco		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	<del>South Charleston, Ohio 45368</del> London 43140	Citizenship:	US
Post Office Address:	<del>10006 South Charleston Pike, South Charleston, Ohio 45368</del> 1855 Spring Valley Rd., London, Ohio 43140		

<b>Legal Name of Inventor:</b>	Michael Alan Marchiando		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	London, Ohio 43140	Citizenship:	US
Post Office Address:	6009 Biggert Road, London, Ohio 43140		

<b>Legal Name of Inventor:</b>	Robert Lewis Litt Robert Dwayne Litt / RDL		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	Westerville, Ohio 43081	Citizenship:	US
Post Office Address:	728 Collingwood Drive, Westerville, Ohio 43081		

Renner Otto Docket No.	VELOP0112USD
------------------------	--------------

PATENT (US)

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION**

Title of Invention:	PROCESS AND APPARATUS EMPLOYING MICROCHANNEL PROCESS TECHNOLOGY
---------------------	---

As a below named inventor, I hereby declare that this declaration and assignment are directed to:

Application No. ( <i>Express Mail Label No.</i> )	
Filing Date ( <i>Deposit Date</i> )	
Amended on ( <i>if applicable</i> )	

or, if no application is identified above, the attached application.

**DECLARATION**

The above application was made or authorized to be made by me.

I believe that I am the original or an original joint inventor of a claimed invention in the application.

My residence, mailing address and citizenship are as stated below next to my name.

I have reviewed and understand the contents of the application, including the claims.

I hereby acknowledge that any willful false statement made in this declaration is punishable under Section 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) year, or both.

**DOMESTIC PRIORITY CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. § 120**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	PATENT NUMBER
12/576,458	09/10/2009	

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) that is/are listed below.

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (day, month, year)
61/104,432	10/10/2008
61/171,884	23/04/2009
61/234,453	17/08/2009

#### FOREIGN PRIORITY CLAIM

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), priority benefits under 35 U.S.C. § 119 (a)-(d) or (f), § 172 or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, that is/are listed below, and have also identified below any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s) or any PCT international application(s) having a filing date before that of the application(s) on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY NOT CLAIMED

#### DUTY OF DISCLOSURE

I hereby acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56, which in pertinent part states that information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or (2) it refutes, or is inconsistent with, a position the applicant takes in: (i) opposing an argument of unpatentability relied on by the Office, or (ii) asserting an argument of patentability. A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

#### ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I have sold and assigned and hereby sell and assign to:

Assignee(s)	Address
Velocys, Inc.	7950 Corporate Blvd. Plain City, Ohio 43064

[If more than one assignee is listed, each owns an undivided equal share in the application and underlying invention so far as concerns the United States unless otherwise indicated or agreed to by the assignees.]

and the successors and assigns thereof, the entire right, title and interest to (i) said invention, (ii) said application, (iii) any and all provisional applications on which priority is claimed, any and all related patent applications in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, renewals, conversions, substitutes, reexaminations, reissues, convention, international (PCT) and other applications based in whole or in part upon said invention or upon said applications, (iv) any and all patents, including renewals, reissues, certificates of reexamination and extensions thereof granted for said invention or upon said applications, for the full term or terms for which the same may be granted, and (v) all priority rights that are or may be predicated upon or arise from said invention, said applications and said patents.

If the application number and filing date are not set forth above, authorization is hereby given for any attorney of record in the subject patent application to insert below the application number and filing date information for this application when that information becomes available.

Application No.	
Filing Date	

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment and sale.

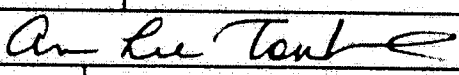
I authorize said Assignee(s) to file in my own name or in its own name applications for patent in any country that are predicated upon or arise from said invention, said applications and said patents.

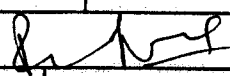
I appoint said Assignee(s) as my common representative to represent me before all competent International authorities in connection with any international application predicated upon or arising from said invention, said applications and said patents.

I further covenant that Assignee(s) will, upon request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to me and will testify as to the same in any proceeding related thereto and will promptly execute and deliver to Assignee(s), or the legal representative thereof, any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.


I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid U.S. patent and any foreign patents to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by me if this Assignment had not been made.

I agree that this assignment shall be construed in accordance with the law of the state/country in which the first above-listed Assignee is located as above indicated, and without regard to its conflicts of laws provisions.


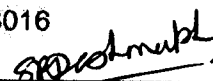
Legal Name of Inventor:	Anna Lee Tonkovich		
Inventor's signature:		Date:	6/19/14
Residence: (City & State/Country):	Gilbert, Arizona 85297	Citizenship:	USA
Post Office Address:	4086 E. Claxton Avenue, Gilbert, Arizona 85297 3509 S. Swan Dr		

Legal Name of Inventor:	Ravi Arora		
Inventor's signature:		Date:	7/10/2014
Residence: (City & State/Country):	New Albany, Ohio 43054 USA	Citizenship:	USA
Post Office Address:	7043 Cunningham Drive, New Albany, Ohio 43054 USA		

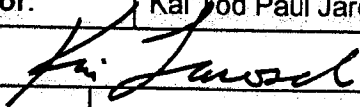


<b>Legal Name of Inventor:</b>	John Brophy		
Inventor's signature:		Date:	6-6-14
Residence: (City & State/Country):	Bath, United Kingdom	Citizenship:	GB
Post Office Address:	Eagle Farmhouse, Northend, Bath BA1 8EW, United Kingdom		

<b>Legal Name of Inventor:</b>	Francis P. Daly		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Delaware, Ohio 43015	Citizenship:	US
Post Office Address:	188 North Franklin Street, Delaware, Ohio 43015		

<b>Legal Name of Inventor:</b>	Soumitra Deshmukh		
Inventor's signature:		Date:	7/10/2014
Residence: (City & State/Country):	Dublin, Ohio 43016	Citizenship:	IN
Post Office Address:	<del>4647 Turtles View Drive, Dublin, Ohio 43016</del> 5756 TURTLES GROVE BLVD 		

<b>Legal Name of Inventor:</b>	Maddalena Fanelli		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Columbus, Ohio 43220	Citizenship:	US
Post Office Address:	5535 Esplanade Street, Columbus, Ohio 43220		

<b>Legal Name of Inventor:</b>	Kai Tod Paul Jarosch		
Inventor's signature:		Date:	JUL-10-2014
Residence: (City & State/Country):	Bexley, Ohio 43209	Citizenship:	CA
Post Office Address:	839 Vernon Road, Bexley, Ohio 43209		

<b>Legal Name of Inventor:</b>	Timothy J. LaPlante		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Powell, Ohio 43065	Citizenship:	US
Post Office Address:	8305 Tricia Price Drive, Powell, Ohio 43065		

<b>Legal Name of Inventor:</b>	Richard Q. Long		
Inventor's signature:		Date:	
Residence: (City & State/Country):	New Albany, Ohio 43054	Citizenship:	US
Post Office Address:	7375 Tumblebrook Drive, New Albany, Ohio 43054		

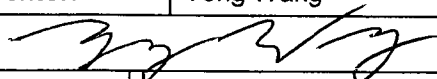
<b>Legal Name of Inventor:</b>	Terry Mazanec		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Solon, Ohio 44139	Citizenship:	US
Post Office Address:	7168 Selworthy Lane, Solon, Ohio 44139		

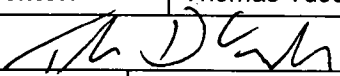
<b>Legal Name of Inventor:</b>	Daniel Francis Ryan		
Inventor's signature:	<i>Daniel Francis Ryan</i>	Date:	<i>June 5, 2014</i>
Residence: (City & State/Country):	Brewster, Massachusetts 02631	Citizenship:	US
Post Office Address:	245 Old Long Pond Road, Brewster, Massachusetts 02631		

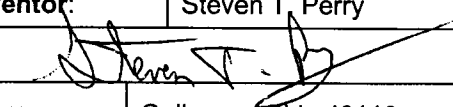
<b>Legal Name of Inventor:</b>	Laura J. Silva		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	5583 Dumfries Court West, Dublin, Ohio 43017		

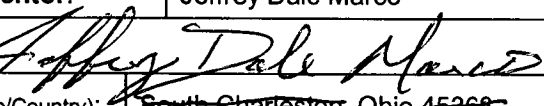
<b>Legal Name of Inventor:</b>	Wayne W. Simmons		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	8870 Tartan Fields Drive, Dublin, Ohio 43017		


<b>Legal Name of Inventor:</b>	Bruce Strangeland		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Berkeley, California 94708	Citizenship:	US
Post Office Address:	691 Cragmont Avenue, Berkeley, California 94708		

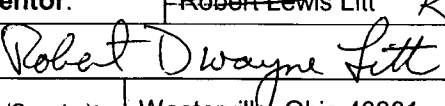
<b>Legal Name of Inventor:</b>	Yong Wang		
Inventor's signature:		Date:	6/10/2014
Residence: (City & State/Country):	Richland, Washington 99352	Citizenship:	US
Post Office Address:	2884 Troon Ct., Richland, Washington 99352 99354 2866 Hawkstone Ct.		

<b>Legal Name of Inventor:</b>	Thomas Yuschak		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	Lewis Center, Ohio 43035	Citizenship:	US
Post Office Address:	2792 Bold Venture Drive, Lewis Center, Ohio 43035		

<b>Legal Name of Inventor:</b>	Steven T. Perry		
Inventor's signature:		Date:	18 July 2014
Residence: (City & State/Country):	Galloway, Ohio 43119	Citizenship:	US
Post Office Address:	8458 Squad Drive, Galloway, Ohio 43119 854 Canoe Ln, S.T.P.		

<b>Legal Name of Inventor:</b>	Jeffrey Dale Marco		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	South Charleston, Ohio 45368 London 43140	Citizenship:	US
Post Office Address:	10000 South Charleston Pike, South Charleston, Ohio 45368 1855 Spring Valley Rd., London, Ohio 43140		

<b>Legal Name of Inventor:</b>	Michael Alan Marchiando		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	London, Ohio 43140	Citizenship:	US
Post Office Address:	6009 Biggert Road, London, Ohio 43140		

<b>Legal Name of Inventor:</b>	Robert Lewis Litt Robert Dwayne Litt / ROL		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	Westerville, Ohio 43081	Citizenship:	US
Post Office Address:	728 Collingwood Drive, Westerville, Ohio 43081		

Renner Otto Docket No. VELOP0112USD

PATENT (US)

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION**

Title of Invention: PROCESS AND APPARATUS EMPLOYING MICROCHANNEL PROCESS TECHNOLOGY

As a below named inventor, I hereby declare that this declaration and assignment are directed to:

Application No. ( <i>Express Mail Label No.</i> )	
Filing Date ( <i>Deposit Date</i> )	
Amended on ( <i>if applicable</i> )	

or, if no application is identified above, the attached application.

**DECLARATION**

The above application was made or authorized to be made by me.

I believe that I am the original or an original joint inventor of a claimed invention in the application.

My residence, mailing address and citizenship are as stated below next to my name.

I have reviewed and understand the contents of the application, including the claims.

I hereby acknowledge that any willful false statement made in this declaration is punishable under Section 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) year, or both.

**DOMESTIC PRIORITY CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. § 120**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	PATENT NUMBER
12/576,458	09/10/2009	

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) that is/are listed below.

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (day, month, year)
61/104,432	10/10/2008
61/171,884	23/04/2009
61/234,453	17/08/2009

#### FOREIGN PRIORITY CLAIM

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), priority benefits under 35 U.S.C. § 119 (a)-(d) or (f), § 172 or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, that is/are listed below, and have also identified below any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s) or any PCT international application(s) having a filing date before that of the application(s) on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY NOT CLAIMED

#### DUTY OF DISCLOSURE

I hereby acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56, which in pertinent part states that information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or (2) it refutes, or is inconsistent with, a position the applicant takes in: (i) opposing an argument of unpatentability relied on by the Office, or (ii) asserting an argument of patentability. A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

#### ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I have sold and assigned and hereby sell and assign to:

Assignee(s)	Address
Velocys, Inc.	7950 Corporate Blvd. Plain City, Ohio 43064

[If more than one assignee is listed, each owns an undivided equal share in the application and underlying invention so far as concerns the United States unless otherwise indicated or agreed to by the assignees.]

and the successors and assigns thereof, the entire right, title and interest to (i) said invention, (ii) said application, (iii) any and all provisional applications on which priority is claimed, any and all related patent applications in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, renewals, conversions, substitutes, reexaminations, reissues, convention, international (PCT) and other applications based in whole or in part upon said invention or upon said applications, (iv) any and all patents, including renewals, reissues, certificates of reexamination and extensions thereof granted for said invention or upon said applications, for the full term or terms for which the same may be granted, and (v) all priority rights that are or may be predicated upon or arise from said invention, said applications and said patents.

If the application number and filing date are not set forth above, authorization is hereby given for any attorney of record in the subject patent application to insert below the application number and filing date information for this application when that information becomes available.

Application No.	
Filing Date	

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment and sale

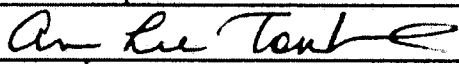
I authorize said Assignee(s) to file in my own name or in its own name applications for patent in any country that are predicated upon or arise from said invention, said applications and said patents.


I appoint said Assignee(s) as my common representative to represent me before all competent International authorities in connection with any international application predicated upon or arising from said invention, said applications and said patents.

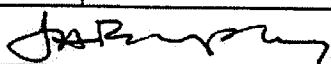
I further covenant that Assignee(s) will, upon request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to me and will testify as to the same in any proceeding related thereto and will promptly execute and deliver to Assignee(s), or the legal representative thereof, any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof

I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid U.S. patent and any foreign patents to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by me if this Assignment had not been made.


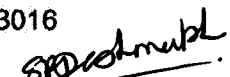
I agree that this assignment shall be construed in accordance with the law of the state/country in which the first above-listed Assignee is located as above indicated, and without regard to its conflicts of laws provisions.

Legal Name of Inventor:	Anna Lee Tonkovich		
Inventor's signature:		Date	6/19/14
Residence: (City & State/Country):	Gilbert, Arizona 85297	Citizenship:	USA
Post Office Address:	4086 E. Claxton Avenue, Gilbert, Arizona 85297 3509 S. Swan Dr		

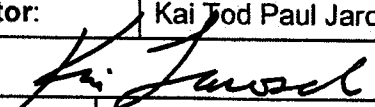
Legal Name of Inventor:	Ravi Arora		
Inventor's signature:		Date	7/10/2014
Residence: (City & State/Country):	New Albany, Ohio 43054 USA	Citizenship:	USA
Post Office Address:	7043 Cunningham Drive, New Albany, Ohio 43054 USA		

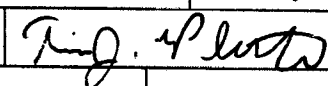
<b>Legal Name of Inventor:</b>	John Brophy		
Inventor's signature:		Date:	6-6-14
Residence: (City & State/Country):	Bath, United Kingdom	Citizenship:	GB
Post Office Address:	Eagle Farmhouse, Northend, Bath BA1 8EW, United Kingdom		

<b>Legal Name of Inventor:</b>	Francis P. Daly		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Delaware, Ohio 43015	Citizenship:	US
Post Office Address:	188 North Franklin Street, Delaware, Ohio 43015		

<b>Legal Name of Inventor:</b>	Soumitra Deshmukh		
Inventor's signature:		Date:	7/10/2014
Residence: (City & State/Country):	Dublin, Ohio 43016	Citizenship:	IN
Post Office Address:	<del>4647 Tuttle View Drive, Dublin, Ohio 43016</del> 5756 TUTTLES GROVE BLVD 		

<b>Legal Name of Inventor:</b>	Maddalena Fanelli		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Columbus, Ohio 43220	Citizenship:	US
Post Office Address:	5535 Esplanade Street, Columbus, Ohio 43220		

<b>Legal Name of Inventor:</b>	Kai Tod Paul Jarosch		
Inventor's signature:		Date:	Jul-10-2014
Residence: (City & State/Country):	Bexley, Ohio 43209	Citizenship:	CA
Post Office Address:	839 Vernon Road, Bexley, Ohio 43209		

<b>Legal Name of Inventor:</b>	Timothy J. LaPlante		
Inventor's signature:		Date:	7/28/2014
Residence: (City & State/Country):	Powell, Ohio 43065	Citizenship:	US
Post Office Address:	8305 Tricia Price Drive, Powell, Ohio 43065		

<b>Legal Name of Inventor:</b>	Richard Q. Long		
Inventor's signature:	<i>Richard Q. Long</i>	Date:	6/6/2014
Residence: (City & State/Country):	New Albany, Ohio 43054	Citizenship:	US
Post Office Address:	7375 Tumblebrook Drive, New Albany, Ohio 43054		

<b>Legal Name of Inventor:</b>	Terry Mazanec		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Solon, Ohio 44139	Citizenship:	US
Post Office Address:	7168 Selworthy Lane, Solon, Ohio 44139		

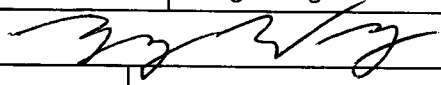
<b>Legal Name of Inventor:</b>	Daniel Francis Ryan		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Brewster, Massachusetts 02631	Citizenship:	US
Post Office Address:	245 Old Long Pond Road, Brewster, Massachusetts 02631		

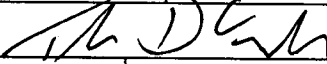
<b>Legal Name of Inventor:</b>	Laura J. Silva		
Inventor's signature:	<i>Laura J. Silva</i>	Date:	7-10-14
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	5583 Dumfries Court West, Dublin, Ohio 43017		

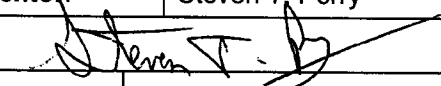
<b>Legal Name of Inventor:</b>	Wayne W. Simmons		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	8870 Tartan Fields Drive, Dublin, Ohio 43017		

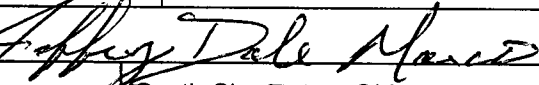
<b>Legal Name of Inventor:</b>	Bruce Strangeland		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Berkeley, California 94708	Citizenship:	US
Post Office Address:	691 Cragmont Avenue, Berkeley, California 94708		

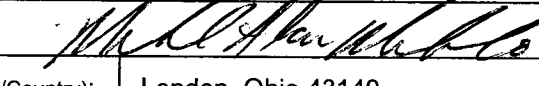


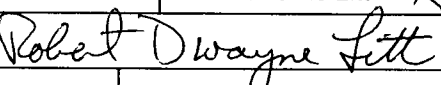
<b>Legal Name of Inventor:</b>	Yong Wang		
Inventor's signature:		Date:	6/10/2014
Residence: (City & State/Country):	Richland, Washington 99352	Citizenship:	US
Post Office Address:	<del>2864 Troon Ct., Richland, Washington 99352</del> 2866 Hawkstone Ct.		

<b>Legal Name of Inventor:</b>	Thomas Yuschak		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	Lewis Center, Ohio 43035	Citizenship:	US
Post Office Address:	2792 Bold Venture Drive, Lewis Center, Ohio 43035		

<b>Legal Name of Inventor:</b>	Steven T. Perry		
Inventor's signature:		Date:	18 July 2014
Residence: (City & State/Country):	Galloway, Ohio 43119	Citizenship:	US
Post Office Address:	<del>8458 Squad Drive, Galloway, Ohio 43119</del> 854 Canoe Ln, Galloway, OH		

<b>Legal Name of Inventor:</b>	Jeffrey Dale Marco		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	<del>South Charleston, Ohio 45368</del> London 43140	Citizenship:	US
Post Office Address:	<del>10006 South Charleston Pike, South Charleston, Ohio 45368</del> 1855 Spring Valley Rd., London, Ohio 43140		

<b>Legal Name of Inventor:</b>	Michael Alan Marchiando		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	London, Ohio 43140	Citizenship:	US
Post Office Address:	6009 Biggert Road, London, Ohio 43140		

<b>Legal Name of Inventor:</b>	<del>Robert Lewis Litt</del> Robert Dwayne Litt / RDL		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	Westerville, Ohio 43081	Citizenship:	US
Post Office Address:	728 Collingwood Drive, Westerville, Ohio 43081		

Renner Otto Docket No.	VELOP0112USD
------------------------	--------------

PATENT (US)

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION**

Title of Invention:	PROCESS AND APPARATUS EMPLOYING MICROCHANNEL PROCESS TECHNOLOGY
---------------------	---

As a below named inventor, I hereby declare that this declaration and assignment are directed to:

Application No. ( <i>Express Mail Label No.</i> )	
Filing Date ( <i>Deposit Date</i> )	
Amended on ( <i>if applicable</i> )	

or, if no application is identified above, the attached application.

**DECLARATION**

The above application was made or authorized to be made by me.

I believe that I am the original or an original joint inventor of a claimed invention in the application.

My residence, mailing address and citizenship are as stated below next to my name.

I have reviewed and understand the contents of the application, including the claims.

I hereby acknowledge that any willful false statement made in this declaration is punishable under Section 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) year, or both.

**DOMESTIC PRIORITY CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. § 120**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	PATENT NUMBER
12/576,458	09/10/2009	

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) that is/are listed below.

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (day, month, year)
61/104,432	10/10/2008
61/171,884	23/04/2009
61/234,453	17/08/2009

#### FOREIGN PRIORITY CLAIM

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), priority benefits under 35 U.S.C. § 119 (a)-(d) or (f), § 172 or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, that is/are listed below, and have also identified below any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s) or any PCT international application(s) having a filing date before that of the application(s) on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY NOT CLAIMED

#### DUTY OF DISCLOSURE

I hereby acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56, which in pertinent part states that information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or (2) it refutes, or is inconsistent with, a position the applicant takes in: (i) opposing an argument of unpatentability relied on by the Office, or (ii) asserting an argument of patentability. A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

#### ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I have sold and assigned and hereby sell and assign to:

Assignee(s)	Address
Velocys, Inc.	7950 Corporate Blvd. Plain City, Ohio 43064

[If more than one assignee is listed, each owns an undivided equal share in the application and underlying invention so far as concerns the United States unless otherwise indicated or agreed to by the assignees.]

and the successors and assigns thereof, the entire right, title and interest to (i) said invention, (ii) said application, (iii) any and all provisional applications on which priority is claimed, any and all related patent applications in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, renewals, conversions, substitutes, reexaminations, reissues, convention, international (PCT) and other applications based in whole or in part upon said invention or upon said applications, (iv) any and all patents, including renewals, reissues, certificates of reexamination and extensions thereof granted for said invention or upon said applications, for the full term or terms for which the same may be granted, and (v) all priority rights that are or may be predicated upon or arise from said invention, said applications and said patents.

If the application number and filing date are not set forth above, authorization is hereby given for any attorney of record in the subject patent application to insert below the application number and filing date information for this application when that information becomes available

Application No.	
Filing Date	

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment and sale

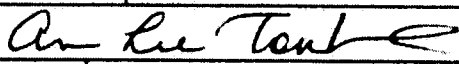
I authorize said Assignee(s) to file in my own name or in its own name applications for patent in any country that are predicated upon or arise from said invention, said applications and said patents.


I appoint said Assignee(s) as my common representative to represent me before all competent International authorities in connection with any international application predicated upon or arising from said invention, said applications and said patents.

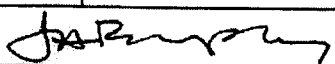
I further covenant that Assignee(s) will, upon request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to me and will testify as to the same in any proceeding related thereto and will promptly execute and deliver to Assignee(s), or the legal representative thereof, any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof

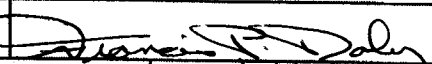
I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid U.S. patent and any foreign patents to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by me if this Assignment had not been made



I agree that this assignment shall be construed in accordance with the law of the state/country in which the first above-listed Assignee is located as above indicated, and without regard to its conflicts of laws provisions.

Legal Name of Inventor:	Anna Lee Tonkovich		
Inventor's signature:		Date	6/19/14
Residence: (City & State/Country):	Gilbert, Arizona 85297	Citizenship:	USA
Post Office Address:	4086 E. Claxton Avenue, Gilbert, Arizona 85297 3509 S. Swan Dr		

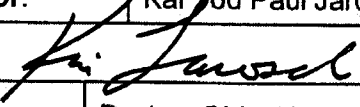
Legal Name of Inventor:	Ravi Arora		
Inventor's signature:		Date	7/10/2014
Residence: (City & State/Country):	New Albany, Ohio 43054 USA	Citizenship:	USA
Post Office Address:	7043 Cunningham Drive, New Albany, Ohio 43054 USA		

<b>Legal Name of Inventor:</b>	John Brophy		
Inventor's signature:		Date:	6-6-14
Residence: (City & State/Country):	Bath, United Kingdom	Citizenship:	GB
Post Office Address:	Eagle Farmhouse, Northend, Bath BA1 8EW, United Kingdom		

<b>Legal Name of Inventor:</b>	Francis P. Daly		
Inventor's signature:		Date:	7-28-2014
Residence: (City & State/Country):	<del>Delaware, Ohio 43015</del> <sup>Waldoboro, Maine 04572</sup>	Citizenship:	US
Post Office Address:	<del>188 North Franklin Street, Delaware, Ohio 43015</del> 701 Old Augusta Rd.		

<b>Legal Name of Inventor:</b>	Soumitra Deshmukh		
Inventor's signature:		Date:	7/10/2014
Residence: (City & State/Country):	Dublin, Ohio 43016	Citizenship:	IN
Post Office Address:	<del>4647 Turtles View Drive, Dublin, Ohio 43016</del> 5756 TUTTLES GROVE BLVD 		

<b>Legal Name of Inventor:</b>	Maddalena Fanelli		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Columbus, Ohio 43220	Citizenship:	US
Post Office Address:	5535 Esplanade Street, Columbus, Ohio 43220		

<b>Legal Name of Inventor:</b>	Kai Tod Paul Jarosch		
Inventor's signature:		Date:	Jul-10-2014
Residence: (City & State/Country):	Bexley, Ohio 43209	Citizenship:	CA
Post Office Address:	839 Vernon Road, Bexley, Ohio 43209		

<b>Legal Name of Inventor:</b>	Timothy J. LaPlante		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Powell, Ohio 43065	Citizenship:	US
Post Office Address:	8305 Tricia Price Drive, Powell, Ohio 43065		

<b>Legal Name of Inventor:</b>	Richard Q. Long		
Inventor's signature:	<i>Richard Q. Long</i>	Date:	6/6/2014
Residence: (City & State/Country):	New Albany, Ohio 43054	Citizenship:	US
Post Office Address:	7375 Tumblebrook Drive, New Albany, Ohio 43054		

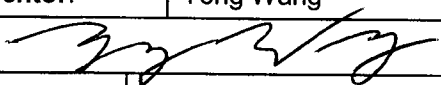
<b>Legal Name of Inventor:</b>	Terry Mazanec		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Solon, Ohio 44139	Citizenship:	US
Post Office Address:	7168 Selworthy Lane, Solon, Ohio 44139		

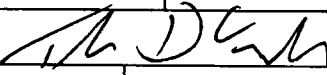
<b>Legal Name of Inventor:</b>	Daniel Francis Ryan		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Brewster, Massachusetts 02631	Citizenship:	US
Post Office Address:	245 Old Long Pond Road, Brewster, Massachusetts 02631		

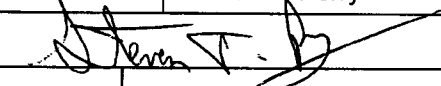
<b>Legal Name of Inventor:</b>	Laura J. Silva		
Inventor's signature:	<i>Laura J. Silva</i>	Date:	7-10-14
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	5583 Dumfries Court West, Dublin, Ohio 43017		

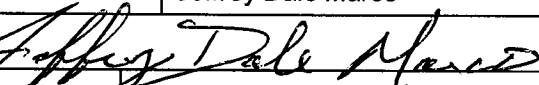
<b>Legal Name of Inventor:</b>	Wayne W. Simmons		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	8870 Tartan Fields Drive, Dublin, Ohio 43017		


<b>Legal Name of Inventor:</b>	Bruce Strangeland		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Berkeley, California 94708	Citizenship:	US
Post Office Address:	691 Cragmont Avenue, Berkeley, California 94708		

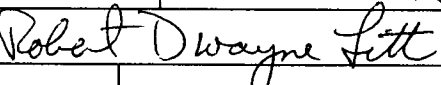
<b>Legal Name of Inventor:</b>	Yong Wang		
Inventor's signature:		Date:	6/10/2014
Residence: (City & State/Country):	Richland, Washington 99352	Citizenship:	US
Post Office Address:	<del>2884 Troon Ct., Richland, Washington 99352</del> 2866 Hawkstone Ct. 99354		

<b>Legal Name of Inventor:</b>	Thomas Yuschak		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	Lewis Center, Ohio 43035	Citizenship:	US
Post Office Address:	2792 Bold Venture Drive, Lewis Center, Ohio 43035		

<b>Legal Name of Inventor:</b>	Steven T. Perry		
Inventor's signature:		Date:	18 July 2014
Residence: (City & State/Country):	Galloway, Ohio 43119	Citizenship:	US
Post Office Address:	<del>8458 Squad Drive, Galloway, Ohio 43119</del> 854 Canoe Ln, Galloway, OH		

<b>Legal Name of Inventor:</b>	Jeffrey Dale Marco		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	<del>South Charleston, Ohio 45368</del> London 43140	Citizenship:	US
Post Office Address:	<del>10008 South Charleston Pike, South Charleston, Ohio 45368</del> 1855 Spring Valley Rd., London, Ohio 43140		

<b>Legal Name of Inventor:</b>	Michael Alan Marchiando		
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	London, Ohio 43140	Citizenship:	US
Post Office Address:	6009 Biggert Road, London, Ohio 43140		

<b>Legal Name of Inventor:</b>	<del>Robert Lewis Litt</del> Robert Dwayne Litt / ROL		
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	Westerville, Ohio 43081	Citizenship:	US
Post Office Address:	728 Collingwood Drive, Westerville, Ohio 43081		

Renner Otto Docket No.	VELOP0112USD
------------------------	--------------

PATENT (US)

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION**

Title of Invention:	PROCESS AND APPARATUS EMPLOYING MICROCHANNEL PROCESS TECHNOLOGY
---------------------	---

As a below named inventor, I hereby declare that this declaration and assignment are directed to:

Application No. ( <i>Express Mail Label No.</i> )	
Filing Date ( <i>Deposit Date</i> )	
Amended on ( <i>if applicable</i> )	

or, if no application is identified above, the attached application.

**DECLARATION**

The above application was made or authorized to be made by me.

I believe that I am the original or an original joint inventor of a claimed invention in the application.

My residence, mailing address and citizenship are as stated below next to my name.

I have reviewed and understand the contents of the application, including the claims.

I hereby acknowledge that any willful false statement made in this declaration is punishable under Section 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) year, or both.

**DOMESTIC PRIORITY CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. § 120**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	PATENT NUMBER
12/576,458	09/10/2009	

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)**

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) that is/are listed below.



U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (day, month, year)
61/104,432	10/10/2008
61/171,884	23/04/2009
61/234,453	17/08/2009

#### FOREIGN PRIORITY CLAIM

I hereby claim, on my behalf or on behalf of the below-identified Assignee(s), priority benefits under 35 U.S.C. § 119 (a)-(d) or (f), § 172 or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, that is/are listed below, and have also identified below any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s) or any PCT international application(s) having a filing date before that of the application(s) on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY NOT CLAIMED

#### DUTY OF DISCLOSURE

I hereby acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56, which in pertinent part states that information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or (2) it refutes, or is inconsistent with, a position the applicant takes in: (i) opposing an argument of unpatentability relied on by the Office, or (ii) asserting an argument of patentability. A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

#### ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I have sold and assigned and hereby sell and assign to:

Assignee(s)	Address
Velocys, Inc.	7950 Corporate Blvd. Plain City, Ohio 43064

[If more than one assignee is listed, each owns an undivided equal share in the application and underlying invention so far as concerns the United States unless otherwise indicated or agreed to by the assignees.]

and the successors and assigns thereof, the entire right, title and interest to (i) said invention, (ii) said application, (iii) any and all provisional applications on which priority is claimed, any and all related patent applications in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, renewals, conversions, substitutes, reexaminations, reissues, convention, international (PCT) and other applications based in whole or in part upon said invention or upon said applications, (iv) any and all patents, including renewals, reissues, certificates of reexamination and extensions thereof granted for said invention or upon said applications, for the full term or terms for which the same may be granted, and (v) all priority rights that are or may be predicated upon or arise from said invention, said applications and said patents.

If the application number and filing date are not set forth above, authorization is hereby given for any attorney of record in the subject patent application to insert below the application number and filing date information for this application when that information becomes available.

Application No	
Filing Date	

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment and sale.


I authorize said Assignee(s) to file in my own name or in its own name applications for patent in any country that are predicated upon or arise from said invention, said applications and said patents.


I appoint said Assignee(s) as my common representative to represent me before all competent International authorities in connection with any international application predicated upon or arising from said invention, said applications and said patents.


I further covenant that Assignee(s) will, upon request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to me and will testify as to the same in any proceeding related thereto and will promptly execute and deliver to Assignee(s), or the legal representative thereof, any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid U.S. patent and any foreign patents to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by me if this Assignment had not been made.

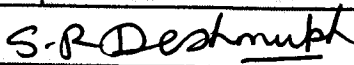
I agree that this assignment shall be construed in accordance with the law of the state/country in which the first above-listed Assignee is located as above indicated, and without regard to its conflicts of laws provisions.

Legal Name of Inventor:	Anna Lee Tonkovich		
Inventor's signature:		Date	6/19/14
Residence: (City & State/Country):	Gilbert, Arizona 85297	Citizenship:	USA
Post Office Address:	4086 E. Claxton Avenue, Gilbert, Arizona 85297 3509 S. Swan Dr		

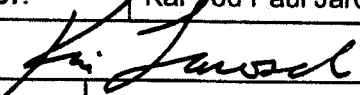
Legal Name of Inventor:	Ravi Arora		
Inventor's signature:		Date	7/10/2014
Residence: (City & State/Country):	New Albany, Ohio 43054 USA	Citizenship:	USA
Post Office Address:	7043 Cunningham Drive, New Albany, Ohio 43054 USA		

<b>Legal Name of Inventor:</b>	John Brophy		
Inventor's signature:		Date:	6-6-14
Residence: (City & State/Country):	Bath, United Kingdom	Citizenship:	GB
Post Office Address:	Eagle Farmhouse, Northend, Bath BA1 8EW, United Kingdom		

<b>Legal Name of Inventor:</b>	Francis P. Daly		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Delaware, Ohio 43015	Citizenship:	US
Post Office Address:	188 North Franklin Street, Delaware, Ohio 43015		

<b>Legal Name of Inventor:</b>	Soumitra Deshmukh		
Inventor's signature:		Date:	7/10/2014
Residence: (City & State/Country):	Dublin, Ohio 43016	Citizenship:	IN
Post Office Address:	<del>4647 Tuttle View Drive, Dublin, Ohio 43016</del> <b>55756 TUTTLES GROVE BLVD S.R. Deshmukh</b>		

<b>Legal Name of Inventor:</b>	Maddalena Fanelli		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Columbus, Ohio 43220	Citizenship:	US
Post Office Address:	5535 Esplanade Street, Columbus, Ohio 43220		

<b>Legal Name of Inventor:</b>	Kai Tod Paul Jarosch		
Inventor's signature:		Date:	Jul-10-2014
Residence: (City & State/Country):	Bexley, Ohio 43209	Citizenship:	CA
Post Office Address:	839 Vernon Road, Bexley, Ohio 43209		

<b>Legal Name of Inventor:</b>	Timothy J. LaPlante		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Powell, Ohio 43065	Citizenship:	US
Post Office Address:	8305 Tricia Price Drive, Powell, Ohio 43065		

<b>Legal Name of Inventor:</b>	Richard Q. Long		
Inventor's signature:	<i>Richard Q. Long</i>	Date:	6/6/2014
Residence: (City & State/Country):	New Albany, Ohio 43054	Citizenship:	US
Post Office Address:	7375 Tumblebrook Drive, New Albany, Ohio 43054		

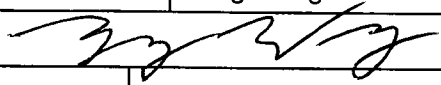
<b>Legal Name of Inventor:</b>	Terry Mazanec		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Solon, Ohio 44139	Citizenship:	US
Post Office Address:	7168 Selworthy Lane, Solon, Ohio 44139		

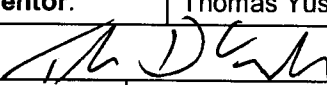
<b>Legal Name of Inventor:</b>	Daniel Francis Ryan		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Brewster, Massachusetts 02631	Citizenship:	US
Post Office Address:	245 Old Long Pond Road, Brewster, Massachusetts 02631		

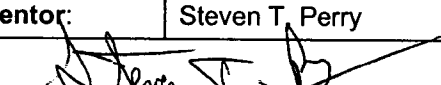
<b>Legal Name of Inventor:</b>	Laura J. Silva		
Inventor's signature:	<i>Laura J. Silva</i>	Date:	7-10-14
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	5583 Dumfries Court West, Dublin, Ohio 43017		

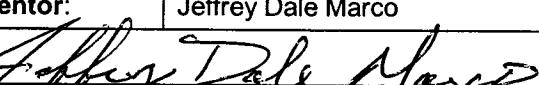
<b>Legal Name of Inventor:</b>	Wayne W. Simmons		
Inventor's signature:	<i>Wayne W. Simmons</i>	Date:	8-22-14
Residence: (City & State/Country):	Dublin, Ohio 43017	Citizenship:	US
Post Office Address:	8870 Tartan Fields Drive, Dublin, Ohio 43017		


<b>Legal Name of Inventor:</b>	Bruce Strangeland		
Inventor's signature:		Date:	
Residence: (City & State/Country):	Berkeley, California 94708	Citizenship:	US
Post Office Address:	691 Cragmont Avenue, Berkeley, California 94708		

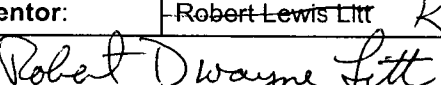
<b>Legal Name of Inventor:</b>		Yong Wang	
Inventor's signature:		Date:	6/10/2014
Residence: (City & State/Country):	Richland, Washington 99352	Citizenship:	US
Post Office Address:	<del>2864 Troon Ct., Richland, Washington 99352</del> 2866 Hawkstone Ct.		

<b>Legal Name of Inventor:</b>		Thomas Yuschak	
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	Lewis Center, Ohio 43035	Citizenship:	US
Post Office Address:	2792 Bold Venture Drive, Lewis Center, Ohio 43035		

<b>Legal Name of Inventor:</b>		Steven T. Perry	
Inventor's signature:		Date:	18 July 2014
Residence: (City & State/Country):	Galloway, Ohio 43119	Citizenship:	US
Post Office Address:	<del>8458 Squad Drive, Galloway, Ohio 43119</del> 854 Canoe Ln, J.T.P.		

<b>Legal Name of Inventor:</b>		Jeffrey Dale Marco	
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	<del>South Charleston, Ohio 45368</del> London 43140	Citizenship:	US
Post Office Address:	<del>10006 South Charleston Pike, South Charleston, Ohio 45368</del> 1855 Spring Valley Rd., London, Ohio 43140		

<b>Legal Name of Inventor:</b>		Michael Alan Marchiando	
Inventor's signature:		Date:	7/10/14
Residence: (City & State/Country):	London, Ohio 43140	Citizenship:	US
Post Office Address:	6009 Biggert Road, London, Ohio 43140		

<b>Legal Name of Inventor:</b>		Robert Lewis Litt Robert Dwayne Litt / RDL	
Inventor's signature:		Date:	7/15/14
Residence: (City & State/Country):	Westerville, Ohio 43081	Citizenship:	US
Post Office Address:	728 Collingwood Drive, Westerville, Ohio 43081		