

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2865007

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE NAME previously recorded on Reel 029921 Frame 0237. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
JEAN PATY	01/31/2013
CHAD GWALTNEY	01/30/2013
ALAN SHIELDS	01/30/2013
BRIAN TIPLADY	02/05/2013
RECEIVING PARTY DATA	
Name:	INVIVODATA, INC.
Street Address:	2100 WHARTON STREET
Internal Address:	SUITE 505
City:	PITTSBURG
State/Country:	PENNSYLVANIA
Postal Code:	15203
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13670151
CORRESPONDENCE DATA	
Fax Number:	(650)493-6811
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	6504939300
Email:	patentdocket@wsgr.com
Correspondent Name:	WILSON SONSINI GOODRICH & ROSATI
Address Line 1:	650 PAGE MILL ROAD
Address Line 4:	PALO ALTO, CALIFORNIA 94304-1050
ATTORNEY DOCKET NUMBER:	31886-708.401
NAME OF SUBMITTER:	JAIME OWENS
SIGNATURE:	/Jaime Owens/
DATE SIGNED:	05/21/2014
Total Attachments: 4	

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PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jean Paty</td> <td>01/31/2013</td> </tr> <tr> <td>Alan Shields</td> <td>01/30/2013</td> </tr> <tr> <td>Chad Gwaltney</td> <td>01/30/2013</td> </tr> <tr> <td>Brian Tiplady</td> <td>02/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jean Paty	01/31/2013	Alan Shields	01/30/2013	Chad Gwaltney	01/30/2013	Brian Tiplady	02/05/2013		
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>invivodata</td> </tr> <tr> <td>Street Address:</td> <td>2100 Wharton Street</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 505</td> </tr> <tr> <td>City:</td> <td>Pittsburgh</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>15203</td> </tr> </table>		Name:	invivodata	Street Address:	2100 Wharton Street	Internal Address:	Suite 505	City:	Pittsburgh	State/Country:	PENNSYLVANIA	Postal Code:	15203
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CORRESPONDENCE DATA													
Fax Number:	6504936811												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	650-493-9300												
Email:	patentdocket@wsg.com												
Correspondent Name:	Wilson Sonsini Goodrich & Rosati												
Address Line 1:	650 Page Mill Road												
Address Line 4:	Palo Alto, CALIFORNIA 94304-1050												
ATTORNEY DOCKET NUMBER:	31886-708.301												
NAME OF SUBMITTER:	Monica Franklin												
<p>Total Attachments: 3</p> <p>source=invivodata-31886-708-301-Executed-Assignment#page1.tif</p> <p>source=invivodata-31886-708-301-Executed-Assignment#page2.tif</p> <p>source=invivodata-31886-708-301-Executed-Assignment#page3.tif</p>													

CH \$40.00 13670151

PATENT ASSIGNMENT

Docket Number 31886-708.301

WHEREAS, the undersigned:

- 1. PATY, Jean
Pittsburg, PA 15217 US
- 2. SHIELDS, Alan
Johnson City, TN 37604 US
- 3. GWALTNEY, Chad
Westerly, RI 02891 US
- 4. TIPLADY, Brian
Edinburgh EH10 6AU UK

(hereinafter "Inventor(s).") have invented certain new and useful improvements in

ENDPOINT DEVELOPMENT PROCESS

- for which a United States patent application is executed on even date herewith;
- for which Application No. 13/670,151 was filed on November 6, 2012 in the United States Patent Office;
- for which Application No. was filed on in the U.S. Receiving Office of the Patent Cooperation Treaty;
- for which Application No. was filed on in the Patent Office; and/or
- for which an application was filed upon which a United States Patent issued on as U.S. Patent No.

(hereinafter "Application(s)").

WHEREAS, Invivodata, Inc., a corporation of the State of Delaware, having a place of business at 2100 Wharton Street, Suite 505, Pittsburgh, PA 15203, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s).

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

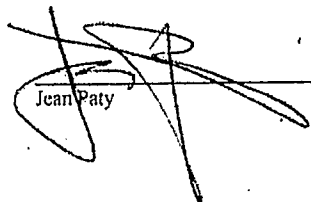
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

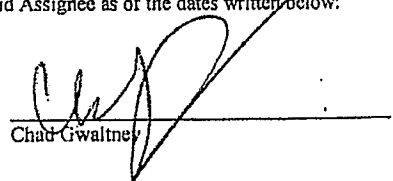
5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date: 31 Jan 2013


Jean Paty

Date: 30 Jan 2013


Chad Gwaltney

Date: _____

Alan Shields

Date: _____

Brian Tiplady

PATENT ASSIGNMENT

Docket Number 31886-708.301

WHEREAS, the undersigned:

- | | | | |
|---|---|--|--|
| 1. PATY, Jean
Pittsburg, PA 15217 US | 2. SHIELDS, Alan
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- for which an application was filed upon which a United States Patent issued on ___, as U.S. Patent No.

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WHEREAS, Invivodata, Inc., a corporation of the State of Delaware, having a place of business at 2100 Wharton Street, Suite 505, Pittsburgh, PA 15203, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)"); thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

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2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
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IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date: _____ Jean Paty	Date: _____ Chad Gwaltney
Date: <u>1/30/15</u> Alan Shields	Date: _____ Brian Tiplady

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WHEREAS, the undersigned:

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Pittsburg, PA 15217 US
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IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date: _____ Jean Paty _____ Chad Gwaltney

Date: _____ Alan Shields _____ Date: 5 Feb 2013 Brian Tiplady