

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3650704

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARTIN J. URAM	03/07/2013
ARTHUR E. UBER III	03/11/2013
KEVIN P. COWAN	03/07/2013
JOHN A. BROSOVICH	03/07/2013
DAVID A. MISHLER	03/07/2013
EDWARD J. RHINEHART	03/07/2013
MICHAEL J. YANNIELLO	03/07/2013
MARK TROCKI	03/07/2013
BARRY L. TUCKER	03/12/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MEDRAD INC.
<b>Street Address:</b>	ONE MEDRAD DRIVE
<b>City:</b>	INDIANOLA
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15051
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14776060
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	RIPATENTS@BAYER.COM
<b>Correspondent Name:</b>	BAYER HEALTHCARE LLC
<b>Address Line 1:</b>	1 BAYER DRIVE
<b>Address Line 4:</b>	INDIANOLA, PENNSYLVANIA 15051
<b>ATTORNEY DOCKET NUMBER:</b>	CT/12-021 PCT-US
<b>NAME OF SUBMITTER:</b>	JOSEPH L. KENT REG. NO. 54,216
<b>SIGNATURE:</b>	/Joseph L. Kent/

**DATE SIGNED:**

12/09/2015

**Total Attachments: 10**

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**ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, **Medrad, Inc.**, a corporation organized and existing under the laws of the State of Delaware and having a place of business at One Medrad Drive, Indianola, PA 15051, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, the entire right, title and interest in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

As the below named inventor I hereby declare that:

This Assignment with Declaration is directed to:  The attached application, or  
 United States Application or PCT International Application  
 Number \_\_\_\_\_ filed on \_\_\_\_\_ (Confirmation No. \_\_\_\_\_).

The application is entitled:

**AN INTELLIGENT AND CONFIGURABLE FLUID DELIVERY SYSTEM AND METHODS FOR ITS USE**

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

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

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this Assignment with Declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

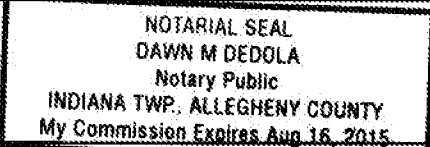
**Authorization To Permit Access To Application by Participating Office**

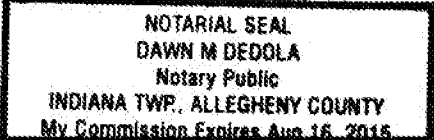
If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

<b>NAME OF INVENTOR:</b>	
Given Name (first and middle [if any]) <b>Martin J.</b>	Family Name or Surname <b>Uram</b>
Inventor's signature <i>Martin J. Uram</i>	Date <b>3/7/2013</b>
Residence: <b>924 Irwin Drive, Pittsburgh, PA 15236</b>	
Mailing Address: <b>924 Irwin Drive, Pittsburgh, PA 15236</b>	
<b>NOTARIZATION</b>	
BEFORE ME, the undersigned authority, on this day personally appeared <b>Martin J. Uram</b> , known to me to be the person whose name is subscribed above, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.	
Notary Public Signature: <i>Dawn M. Dedola 3/7/13</i>	Notary Public Printed Name: <b>Dawn M. Dedola</b>
[seal]	[stamp]
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">NOTARIAL SEAL DAWN M DEDOLA Notary Public INDIANA TWP., ALLEGHENY COUNTY My Commission Expires Aug 16, 2015</p> </div>	

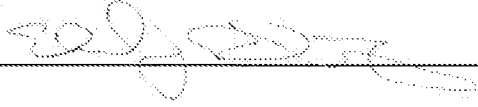
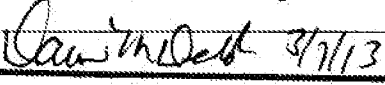
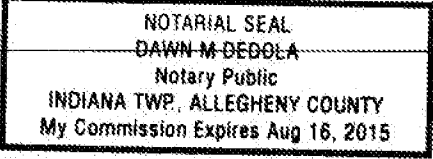
<b>NAME OF INVENTOR:</b>	
Given Name (first and middle [if any]) <b>Arthur E.</b>	Family Name or Surname <b>Uber, III</b>
Inventor's signature <i>Arthur E. Uber, III</i>	Date <i>March 11, 2013</i>
Residence: <b>7426 Ben Hur Street, Pittsburgh, PA 15208</b>	
Mailing Address: <b>7426 Ben Hur Street, Pittsburgh, PA 15208</b>	
<b>NOTARIZATION</b>	
BEFORE ME, the undersigned authority, on this day personally appeared <b>Arthur E. Uber, III</b> , known to me to be the person whose name is subscribed above, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.	
Notary Public Signature <i>Dawn M. Dedola 3/11/13</i>	Notary Public Printed Name: <b>Dawn M. Dedola</b>
[seal]	[stamp]
	

<b>NAME OF INVENTOR:</b>	
Given Name (first and middle [if any]) <b>Kevin P.</b>	Family Name or Surname <b>Cowan</b>
Inventor's signature <i>Kevin P Cowan</i>	Date <b>7 MAR 2013</b>
Residence: <b>4242 Estates Court, Allison Park, PA 15101</b>	
Mailing Address: <b>4242 Estates Court, Allison Park, PA 15101</b>	
<b>NOTARIZATION</b>	
BEFORE ME, the undersigned authority, on this day personally appeared <b>Kevin P. Cowan</b> , known to me to be the person whose name is subscribed above, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.	
Given under my hand and seal of office, this <b>7</b> day of <b>MARCH</b> , 20 <b>13</b> .	
Notary Public Signature <i>Dawn M Dedola</i>	Notary Public Printed Name: <b>Dawn M. Dedola</b>
[seal]	[stamp]
	

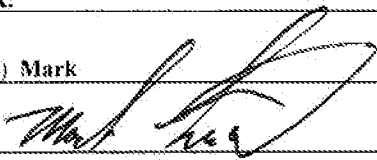
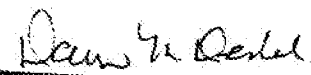
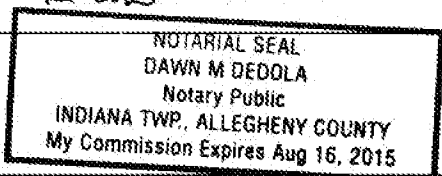
<b>NAME OF INVENTOR:</b>	
Given Name (first and middle [if any]) <b>John A.</b>	Family Name or Surname <b>Brosovich</b>
Inventor's signature <i>John A. Brosovich</i>	Date <b>3/7/2013</b>
Residence: <b>1515 Orchlee Street, Pittsburgh, PA 15212</b>	
Mailing Address: <b>1515 Orchlee Street, Pittsburgh, PA 15212</b>	
<b>NOTARIZATION</b>	
BEFORE ME, the undersigned authority, on this day personally appeared <b>John A. Brosovich</b> , known to me to be the person whose name is subscribed above, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.	
Notary Public Signature <i>Dawn M. Dedola 3/7/13</i>	Notary Public Printed Name: <b>Dawn M. Dedola</b>
[seal]	[stamp]
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> NOTARIAL SEAL  DAWN M DEDOLA  Notary Public  INDIANA TWP., ALLEGHENY COUNTY  My Commission Expires Aug 16, 2015 </div>	

<b>NAME OF INVENTOR:</b>	
Given Name (first and middle [if any]) <b>David A.</b>	Family Name or Surname <b>Mishler</b>
Inventor's signature <i>David A. Mishler</i>	Date <i>3/7/2013</i>
Residence: <b>1127 Kiester Road, Slippery Rock, PA 16057</b>	
Mailing Address: <b>1127 Kiester Road, Slippery Rock, PA 16057</b>	
<b>NOTARIZATION</b>	
BEFORE ME, the undersigned authority, on this day personally appeared <b>David A. Mishler</b> , known to me to be the person whose name is subscribed above, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.	
Notary Public Signature <i>Dawn M Dedola 3/7/13</i>	Notary Public Printed Name: <b>Dawn M. Dedola</b>
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<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">NOTARIAL SEAL DAWN M DEDOLA Notary Public INDIANA TWP., ALLEGHENY COUNTY My Commission Expires Aug 16, 2015</p> </div>	



<b>NAME OF INVENTOR:</b>	
Given Name (first and middle [if any]) <b>Edward J.</b>	Family Name or Surname <b>Rhinehart</b>
Inventor's signature 	Date <b>3-7-2013</b>
Residence: <b>1780 McClure Road, Monroeville, PA 15146</b>	
Mailing Address: <b>1780 McClure Road, Monroeville, PA 15146</b>	
<b>NOTARIZATION</b>	
BEFORE ME, the undersigned authority, on this day personally appeared <b>Edward J. Reinhart</b> , known to me to be the person whose name is subscribed above, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.	
Notary Public Signature 	Notary Public Printed Name: <b>Dawn M. Dedola</b>
[seal]	[stamp]
	

<b>NAME OF INVENTOR:</b>	
Given Name (first and middle [if any]) <b>Michael J.</b>	Family Name or Surname <b>Yanniello</b>
Inventor's signature <i>Michael J. Yanniello</i>	Date <i>March 7, 2013</i>
Residence: <b>1006 Royal Court, Cheswick, PA 15024</b>	
Mailing Address: <b>1006 Royal Court, Cheswick, PA 15024</b>	
<b>NOTARIZATION</b>	
BEFORE ME, the undersigned authority, on this day personally appeared <b>Michael J. Yanniello</b> , known to me to be the person whose name is subscribed above, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.	
Notary Public Signature <i>Dawn M. Dedola 3/7/13</i>	Notary Public Printed Name: <b>Dawn M. Dedola</b>
{seal}	{stamp}
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<b>NAME OF INVENTOR:</b>	
Given Name (first and middle [if any]) <b>Mark</b>	Family Name or Surname <b>Trocki</b>
Inventor's signature 	Date: <b>3-7-13</b>
Residence: <b>130 Reaghard Drive, Cheswick, PA 15024</b>	
Mailing Address: <b>130 Reaghard Drive, Cheswick, PA 15024</b>	
<b>NOTARIZATION</b>	
BEFORE ME, the undersigned authority, on this day personally appeared <b>Mark Trocki</b> , known to me to be the person whose name is subscribed above, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.	
Given under my hand and seal of office, this <b>7</b> day of <b>March</b> , 20 <b>13</b>	
Notary Public Signature 	Notary Public Printed Name: <b>Dawn M. Dedola</b>
[seal]	[stamp]
	

<b>NAME OF INVENTOR:</b>	
Given Name (first and middle [if any]) <b>Barry L.</b>	Family Name or Surname <b>Tucker</b>
Inventor's signature <i>Barry L. Tucker</i>	Date <i>7/12/13</i>
Residence: <b>219 McGregor Drive, PA 15147</b>	
Mailing Address: <b>219 McGregor Drive, PA 15147</b>	
<b>NOTARIZATION</b>	
BEFORE ME, the undersigned authority, on this day personally appeared <b>Barry L. Tucker</b> , known to me to be the person whose name is subscribed above, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.	
Notary Public Signature <i>Dawn M. Dedola</i> <i>3/12/13</i>	Notary Public Printed Name: <b>Dawn M. Dedola</b>
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