

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Pamela PALMER</td> <td>10/09/2009</td> </tr> <tr> <td>Stelios TZANNIS</td> <td>10/16/2009</td> </tr> <tr> <td>Larry HAMEL</td> <td>10/09/2009</td> </tr> <tr> <td>Andrew L. POUTIATINE</td> <td>11/11/2009</td> </tr> <tr> <td>Charles RAMPERSAUD</td> <td>10/09/2009</td> </tr> <tr> <td>Bruce EDWARDS</td> <td>10/09/2009</td> </tr> <tr> <td>Thomas SCHRECK</td> <td>10/09/2009</td> </tr> </tbody> </table>		Name	Execution Date	Pamela PALMER	10/09/2009	Stelios TZANNIS	10/16/2009	Larry HAMEL	10/09/2009	Andrew L. POUTIATINE	11/11/2009	Charles RAMPERSAUD	10/09/2009	Bruce EDWARDS	10/09/2009	Thomas SCHRECK	10/09/2009
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RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>AcelRx Pharmaceuticals, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>351 Galveston Drive</td> </tr> <tr> <td>City:</td> <td>Redwood City</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94063</td> </tr> </table>		Name:	AcelRx Pharmaceuticals, Inc.	Street Address:	351 Galveston Drive	City:	Redwood City	State/Country:	CALIFORNIA	Postal Code:	94063						
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PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13555948</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13555948												
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CORRESPONDENCE DATA																	
Fax Number:	2028427899																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	2028427800																
Email:	zpatdcdocketing@cooley.com																
Correspondent Name:	Cooley LLP																
Address Line 1:	777 6th Street, NW																
Address Line 2:	ATTN: Patent Group																
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20001																
ATTORNEY DOCKET NUMBER:	ACEL-011/12US 312523-2120																

CH \$40.00 13555948

NAME OF SUBMITTER:

Andrew S. Keith

Total Attachments: 10

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ASSIGNMENT

Case No.: 08-1128-PCT4-US

Serial No.: 12/521,949

Inventors: Pamela Palmer, Thomas Schreck, Stelios Tzannis, Larry Hamel, Andrew I. Poutiatine, Charles Rampersaud and Bruce Edwards.

Date of Execution
of Application:

Filing Date: July 1, 2009

In consideration and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

AcelRx Pharmaceuticals, Inc.

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

“Small Volume Oral Transmucosal Dosage Forms Containing Sufentanil for Treatment of Pain”

and identified as:

Case No. 08-1128-PCT4-US

in the offices of McDONNELL BOEHNNEN HULBERT & BERGHOFF LLP and in said application and any and all other applications, both United States and foreign (including but not limited to all countries on the list below*), which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries (including but not limited to all countries on the list below*), which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and

other documents for Letters Patent in foreign countries (including but not limited to all countries on the list below*) on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

*Countries include, but are not limited to: all member countries of the Patent Cooperation Treaty (PCT) including Albania, Algeria, Antigua and Barbuda, Armenia, Australia, Austria, Azerbaijan, Barbados, Belarus, Belgium, Belize, Benin, Bosnia and Herzegovina, Brazil, Bulgaria, Burkina Faso, Cameroon, Canada, Central African Republic, Chad, China, Colombia, Congo, Costa Rica, Cote d'Ivoire, Croatia, Cuba, Cyprus, Czech Republic, Democratic People's Republic of Korea, Denmark, Dominica, Ecuador, Estonia, Finland, France, Gabon, Gambia, Georgia, Germany, Ghana, Greece, Grenada, Guinea, Guinea-Bissau, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Japan, Kazakhstan, Kenya, Krygyzstan, Latvia, Lesotho, Liberia, Liechtenstein, Lithuania, Luxembourg, Madagascar, Malawi, Mali, Mauritania, Mexico, Monaco, Mongolia, Morocco, Netherlands, New Zealand, Niger, Norway, Poland, Portugal, Republic of Korea, Republic of Moldova, Romania, Russian Federation, Saint Lucia, Senegal, Sierra Leone, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Sudan, Swaziland, Sweden, Switzerland, Tajikstan, The former Yugoslav Republic of Macedonia, Togo, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United Republic of Tanzania, United States of America, Uzbekistan, Vietnam, Yugoslavia, Zambia, Zimbabwe.

WITNESS my hand and seal this 9th day of October, 2009.

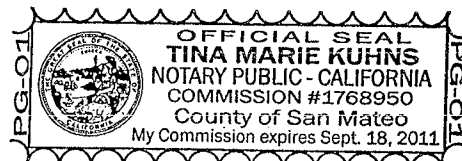

Pamela Palmer

State of County of San Mateo

On October 9, 2009 before me, Tina Kuhns
(here insert name and title of the officer), personally appeared Pamela Palmer
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature  (Seal)



WITNESS my hand and seal this 9th day of October, 2009.

Thomas Schreck

Thomas Schreck

State of County of San Mateo

On October 9, 2009 before me, Tina Kuhns
(here insert name and title of the officer), personally appeared Thomas Schreck
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me
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person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature [Signature] (Seal)



WITNESS my hand and seal this ____ day of _____, 2009.

Stelios Tzannis

State of County of _____

On _____ before me, _____
(here insert name and title of the officer), personally appeared _____
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me
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WITNESS my hand and official seal.

Signature _____ (Seal)

WITNESS my hand and seal this 9 day of October, 2009.

Larry Hamel

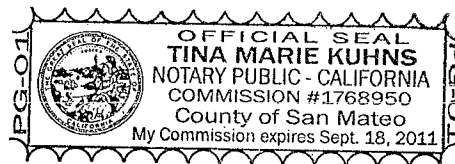
Larry Hamel

State of County of San Mateo

On October 9, 2009 before me, Tina Kuhns
(here insert name and title of the officer), personally appeared Larry Hamel
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me
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his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature [Signature] (Seal)



WITNESS my hand and seal this 11 day of NOVEMBER, 2009.

Andrew L. Poutiatine

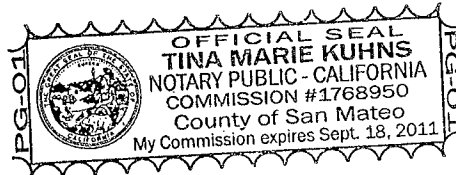
Andrew L. Poutiatine

State of County of San Francisco

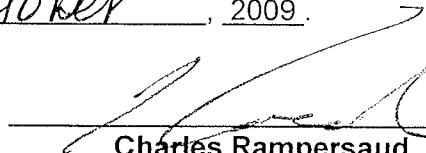
On Nov. 11, 2009 before me, Tina Kuhns
(here insert name and title of the officer), personally appeared Andrew Poutiatine
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
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WITNESS my hand and official seal.

Signature [Signature] (Seal)



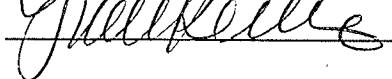
WITNESS my hand and seal this 9th day of October, 2009.


Charles Rampersaud

State of County of San Mateo


On October 9, 2009 before me, Tina Kuhns
(here insert name and title of the officer), personally appeared Charles Rampersaud
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
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WITNESS my hand and official seal.

Signature  (Seal)




WITNESS my hand and seal this 9th day of October, 2009.

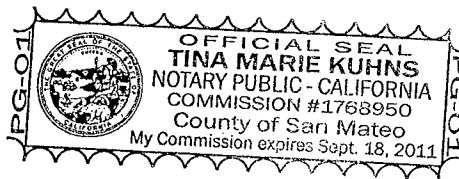

Bruce Edwards

State of County of San Mateo

On October 9, 2009 before me, Tina Kuhns
(here insert name and title of the officer), personally appeared Bruce Edwards
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me
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WITNESS my hand and official seal.

Signature  (Seal)



ASSIGNMENT

Case No.: 08-1128-PCT4-US

Serial No.: 12/521,949

Inventors: Pamela Palmer, Thomas Schreck, Stelios Tzannis, Larry Hamel, Andrew I. Poutiatine, Charles Rampersaud and Bruce Edwards.

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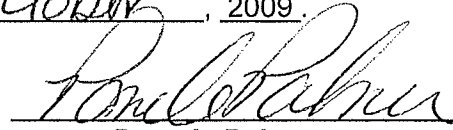
The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and

other documents for Letters Patent in foreign countries (including but not limited to all countries on the list below*) on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

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WITNESS my hand and seal this 9th day of October, 2009.

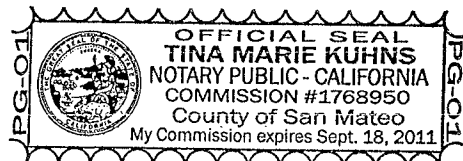

Pamela Palmer

State of County of San Mateo

On October 9, 2009 before me, Tina Kuhns
(here insert name and title of the officer), personally appeared Pamela Palmer
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature  (Seal)



WITNESS my hand and seal this ____ day of _____, 2009.

Thomas Schreck

State of County of _____

On _____ before me, _____
(here insert name and title of the officer), personally appeared _____
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me
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person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (Seal)

WITNESS my hand and seal this 16TH day of OCTOBER, 2009.

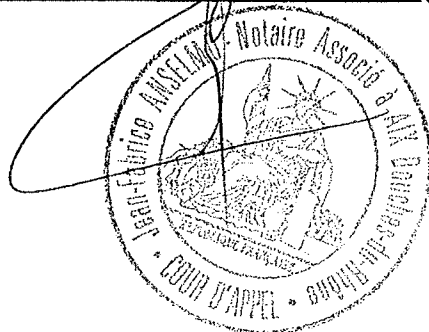
Stelios Tzannis

State of County of FRANCE

On 16th October 2009 before me, Re ANSELM Jean Fabrice notaire
(here insert name and title of the officer), personally appeared Mr Stelios TZANNIS
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me
that he/she/they executed the same in his/her/their authorized capacity(ies), and that by
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person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (Seal)



WITNESS my hand and seal this 9 day of October, 2009.

Larry Hamel

Larry Hamel

State of County of San Mateo

On October 9, 2009 before me, Tina Kuhns
(here insert name and title of the officer), personally appeared Larry Hamel
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
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WITNESS my hand and official seal.

Signature [Signature] (Seal)



WITNESS my hand and seal this 11 day of NOVEMBER, 2009.

Andrew L. Poutiatine

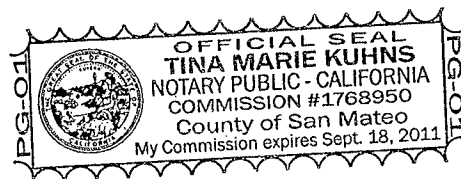
Andrew L. Poutiatine

State of County of San Francisco

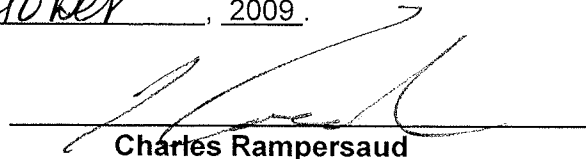
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WITNESS my hand and official seal.

Signature [Signature] (Seal)



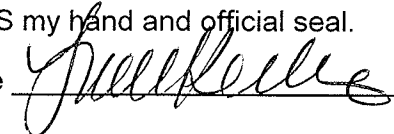
WITNESS my hand and seal this 9th day of October, 2009.


Charles Rampersaud

State of County of San Mateo


On October 9, 2009 before me, Tina Kuhns
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person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature  (Seal)



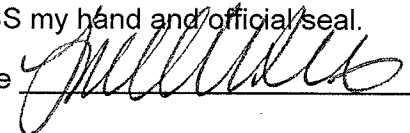
WITNESS my hand and seal this 9th day of October, 2009.


Bruce Edwards

State of County of San Mateo

On October 9, 2009 before me, Tina Kuhns
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WITNESS my hand and official seal.

Signature  (Seal)

