

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2899084

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EPIX PHARMACEUTICALS, INC.	06/30/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CATALYST MEDICAL
<b>Street Address:</b>	23 OAK STREET
<b>City:</b>	BELMONT
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02478
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13229900
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<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>Phone:</b>	(612) 337-5070
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	ANGELA D. FOLLETT
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	29639-0002002
<b>NAME OF SUBMITTER:</b>	JILL A. WRIGHT
<b>SIGNATURE:</b>	/Jill A. Wright/
<b>DATE SIGNED:</b>	06/16/2014
<b>Total Attachments: 18</b>	
source=29639epix2catalyst#page1.tif	
source=29639epix2catalyst#page2.tif	
source=29639epix2catalyst#page3.tif	
source=29639epix2catalyst#page4.tif	
source=29639epix2catalyst#page5.tif	
source=29639epix2catalyst#page6.tif	

PATENT

source=29639epix2catalyst#page7.tif  
source=29639epix2catalyst#page8.tif  
source=29639epix2catalyst#page9.tif  
source=29639epix2catalyst#page10.tif  
source=29639epix2catalyst#page11.tif  
source=29639epix2catalyst#page12.tif  
source=29639epix2catalyst#page13.tif  
source=29639epix2catalyst#page14.tif  
source=29639epix2catalyst#page15.tif  
source=29639epix2catalyst#page16.tif  
source=29639epix2catalyst#page17.tif  
source=29639epix2catalyst#page18.tif

## ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

This Assignment of Patents and Patent Applications ("Assignment"), effective as of July 6, 2010 (the "Effective Date"), is by and between EPIX Delaware, Inc., as represented by Joseph F. Finn, Jr., assignee for the benefit of creditors (the "Assignee") of EPIX Pharmaceuticals, Inc., a Delaware corporation (the "Company") as sole shareholder, sole director, and President of EPIX Delaware, Inc. (the "Seller"), and Catalyst Medical, a Delaware corporation (the "Buyer").

WHEREAS, the Buyer and the Assignee are parties to that certain Bill of Sale and Sale Agreement, dated as the date hereof (the "Sale Agreement");

WHEREAS, pursuant to the Sale Agreement, the Assignee has agreed to execute and deliver this Assignment;

WHEREAS, the Seller is the owner of the patents and patent applications specified in Schedule 1 attached hereto (collectively, the "Patents and Patent Applications"), subject to any and all claims and encumbrances relating to such Patents and Patent Applications previously granted by the Company;

WHEREAS, the Seller is willing to assign to the Buyer its respective rights in such Patents and Patent Applications;

WHEREAS, the Buyer desires to acquire Seller's rights in the Patents and Patent Applications in accordance with the terms and conditions set forth in this Assignment and the Sale Agreement.

NOW, THEREFORE, in consideration of the premises and mutual covenants and agreements set forth hereinafter and in the Sale Agreement, the sufficiency of which is acknowledged, the Buyer and the Seller, intending to be legally bound, hereby agree as follows:

1. Assignment. The Seller does hereby irrevocably grant, sell, convey, transfer, assign, deliver and relinquish exclusively to the Buyer, in perpetuity, all of its respective worldwide right, title, and interest in and to all of the Patents and Patent Applications, together with (i) the right to sue for and obtain remedies against past infringement and rights of priority and protection of interest in such Patents and Patent Applications and (ii) the right to file and obtain any continuations, continuations-in-part, reissues, patent term extensions, divisionals and reexamination of the Patents and Patent Applications, as applicable.
2. Recordation. In order to record this Assignment with the United States Patent and Trademark Office (the "PTO"), the parties hereto shall execute this Assignment and the Seller shall execute the Recordation Cover Sheet required by the PTO in order to record the assignment effected hereby. Thereafter, the Seller shall record the executed Recordation Form Cover Sheet with the PTO, together with any schedules and exhibits thereto including, but not limited to, this Assignment and Schedule 1 hereto.

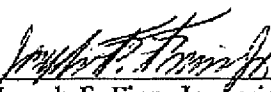
3. Power of Attorney. The Seller does hereby make, constitute and appoint the Buyer (and any officer or agent of the Buyer as the Buyer may select in its exclusive discretion) as the Seller's true and lawful attorney-in-fact, with the power to endorse the Seller's name on all applications, documents, papers and instruments necessary to implement and effect fully the intentions, purposes and provisions of this Assignment, including, but not limited to, the filing of any instrument of assignment and documents related thereto to effect such assignment in the PTO; provided, that the Buyer shall only be entitled to exercise its rights under this power of attorney with respect to any of the foregoing actions to the extent that the Seller has failed to take such action at the request of the Buyer and following ten (10) days prior written notice to the Seller of the exercise of such rights. This power of attorney shall be irrevocable.
  
4. AS IS" and "WHERE IS". THE PATENTS AND PATENT APPLICATIONS ARE ASSIGNED WITHOUT ANY REPRESENTATION OR WARRANTY OR GUARANTY OF ANY KIND WHATSOEVER, INCLUDING BUT NOT LIMITED TO ANY EXPRESS OR IMPLIED REPRESENTATION OR WARRANTY CONCERNING TITLE, QUALITY, QUANTITY, DURABILITY, CONDITION, MERCHANTABILITY, FITNESS FOR ANY PURPOSE, FREEDOM TO OPERATE, DEPENDENT TECHNOLOGY, NON-INFRINGEMENT, VALIDITY OR ANY OTHER ASPECT OF THE SAME. FURTHER, THE PATENTS AND PATENT APPLICATIONS ARE ASSIGNED "AS IS" AND "WHERE IS" WITHOUT REPRESENTATION OR WARRANTY AND ALL WARRANTIES EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SELLER ASSUMES NO RESPONSIBILITY FOR THE CONDITION OR POTENTIAL (OR LACK THEREOF) OF THE PATENTS AND PATENT APPLICATIONS. THE PATENTS AND PATENT APPLICATIONS ARE ALSO ASSIGNED SUBJECT TO CERTAIN CLAIMS AND ENCUMBRANCES. SELLER SHALL HAVE NO LIABILITY WHATSOEVER CONCERNING THE PATENTS AND PATENT APPLICATIONS, INCLUDING LIABILITY FOR NEGLIGENCE OR ANY OTHER THEORY OF LIABILITY OR CAUSE OF ACTION. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, OR SPECIAL DAMAGES ARISING IN ANY WAY WITH RESPECT TO THE PATENTS AND PATENT APPLICATIONS, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
  
5. Governing Law. This Assignment shall be governed by and construed in accordance with the laws of the Commonwealth of Massachusetts and any suit or action hereunder, except as otherwise set forth herein, shall be brought in said jurisdiction.

6. Successors and Assigns. This Assignment shall bind the Seller and its successors and assigns and inure to the benefit of Buyer and its successors and assigns.


*[Signature page to follow]*

This Assignment of Patents and Patent Applications is executed and delivered effective as of the date first set forth above.

**EPIX DELAWARE, INC.**

By:   
Joseph F. Finn, Jr., assignee for the benefit  
of creditors of EPIX Pharmaceuticals, Inc.,  
as sole shareholder, sole director, and  
President of EPIX Delaware, Inc., and not  
individually.

**CATALYST MEDICAL**

By:   
Name: A. Gregory Sorensen  
Title: Principal

23 Oak Street  
Belmont, MA 02478  
Telephone: 617-726-3914  
Fax: 530-348-8706

COUNTY OF [ NORFOLK ] :  
STATE OF [ MASSACHUSETTS ] : ss.:

BE IT REMEMBERED, that on this 30<sup>th</sup> day of JUNE, 2010, before me, the subscriber, a notary public of the State of MASSACHUSETTS personally appeared JOSEPH F. FINNJR who, I am satisfied, is the person who signed the foregoing Assignment of Patents and Patent Applications as the sole shareholder, sole director, and President of EPIX Delaware, Inc., together, the Seller named therein, and he thereupon acknowledged that the said instrument made by the Seller was signed, sealed with the corporate seal and delivered by him as such officer and is the voluntary act and deed of the Seller.

Donna M. Colotti  
Notary Public




DONNA M. COLOTTI  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
September 7, 2012

This Assignment of Patents and Patent Applications is executed and delivered effective as of the date first set forth above.

**EPIX DELAWARE, INC.**

By: \_\_\_\_\_  
Joseph F. Finn, Jr., assignee for the benefit  
of creditors of EPIX Pharmaceuticals, Inc.,  
as sole shareholder, sole director, and  
President of EPIX Delaware, Inc., and not  
individually.

**[PURCHASER]**

By:  \_\_\_\_\_  
Name: Peter Caravan

Title: Principal

Catalyst Medical

23 Oak Street

Belmont, MA 02478

Telephone: 857-928-8817

Fax:



Schedule 1

Patents and Patent Applications

See Attached.

LIBC/3797981.2

PATENT  
REEL: 033107 FRAME: 0398

Patents and Patent Applications Relating to EP-2014R, Fibrin Binding Agent

F&R Matter ID	Epix Ref.	Status	Serial No.	Filing Date	Patent No.	Issue Date	Title	Country	Cost Estimate to Respond/Revive
25704-0010001	MET-14A	ISSUED	10/209,172	30-Jul-02	6991775	31-Jan-08	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	UNITED STATES	
25704-0010002	MET-14B	ABANDONED	10/209,183	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	UNITED STATES	
25704-0010003	MET-14	ISSUED	10/786,791	25-Feb-04	7283341	03-Jul-07	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	UNITED STATES	
25704-0010004	MET-14	PUBLISHED	11/098,865	04-Apr-05			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	UNITED STATES	Non-Final Office Action Response due 08/23/2010 (FINAL DATE); Estimate: \$5000 F&R Attorney fees
25704-0010005	MET-14B	ABANDONED	11/584,646	29-Nov-06			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	UNITED STATES	
25704-001004E1	MET-14	ABANDONED	42/2004	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	UNITED ARAB EMIRATES	
25704-00100AR1	MET-14/AR	ABANDONED	P020102880	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	ARGENTINA	
25704-00100AU1	MET-14	ISSUED	2002318931	30-Jul-02	2002318931	01-May-08	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	AUSTRALIA	
25704-00100AU2	MET-14	ABANDONED	2008201708	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	AUSTRALIA	
25704-00100BR1	MET-14	ABANDONED	P0211623-5	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	BRAZIL	
25704-00100CA1	MET-14	PENDING	2455638	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	CANADA	
25704-00100CL1	MET-14/Chile	ABANDONED	1671-2002	29-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	CHILE	
25704-00100CN1	MET-14	ABANDONED	2319255.9	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	CHINA	
25704-00100CO1	MET-14	ISSUED	4015087	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	COLOMBIA	
25704-00100CS1	MET-14	ABANDONED	P-94/2004	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	SERBIA	
25704-00100EA1	MET-14	ABANDONED	200400241	30-Jul-02	6239	27-Oct-03	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	EURASIA	
25704-00100EC1	MET-14	ABANDONED	BP-2004-4996	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	ECUADOR	
25704-00100EP1	MET-14	ABANDONED	2750374.7	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	EUROPEAN PATENT	Reinstatement is possible. FA will forward Notice of Loss of Rights. 225EU Fee due; \$6000 F&R Attorney Fees

## Patents and Patent Applications Relating to EP-2014R, Fibrin Binding Agent

F&R Matter ID	Epix Ref.	Status	Serial No.	Filing Date	Patent No.	Issue Date	Title	Country	Cost Estimate to Respond/Revive
25704-0010HK1	MET-14	ABANDONED	4104529.8	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	HONG KONG	
25704-0010HU1	MET-14	ABANDONED	P0402028	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	HUNGARY	
25704-0010ID1	MET-14	ABANDONED	W-00200400385	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	INDONESIA	
25704-0010IL1	MET-14	ABANDONED	160001	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	ISRAEL	
25704-0010IN1	MET-14	ISSUED	100/KOLNP/200	30-Jul-02	226059	28-Jan-09	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	INDIA	
25704-0010IN2	MET-14	PENDING	1904/KOLNP/20	30-Jul-02			A METHOD OF MAKING A PEPTIDE BASED MR IMAGING AGENT AND PEPTIDE BASED CONTRAST AGENTS	INDIA	
25704-0010JP1	MET-14	ISSUED	2003-516355	30-Jul-02	4288501	24-Apr-08	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	JAPAN	
25704-0010JP2	MET-14	PUBLISHED	2005-218096	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	JAPAN	Notice of Appeal due 08/09/2010 (not extendable); Estimate:\$4000 F&R Atty fees ; Note: Filled as precautionary div. Parent case issued.
25704-0010KR1	MET-14	ABANDONED	10-2004-700131	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	SOUTH KOREA	
25704-0010KR2	MET-14	ABANDONED	10-2008-702850	29-Oct-08			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	SOUTH KOREA	
25704-0010MX1	MET-14	ABANDONED	2004/000967	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	MEXICO	
25704-0010NO1	MET-14	ABANDONED	2004/0402	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	NORWAY	
25704-0010NZ1	MET-14	ISSUED	591338	30-Jul-02	531338	08-Dec-05	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	NEW ZEALAND	
25704-0010FO1	MET-14/Prov.	EXPIRED	80/306,721	30-Jul-01			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	UNITED STATES	
25704-0010PH1	MET-14	ABANDONED	1-2004-560145	30-Jul-02	1-2004-500145	06-Feb-08	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	PHILIPPINES	
25704-0010PH2	MET-14	PENDING	1-2007-501698	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	PHILIPPINES	
25704-0010PL1	MET-14	ABANDONED	P366807	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	POLAND	
25704-0010SG1	MET-14	ABANDONED	2004/0323-2	30-Jul-02	102736	28-Apr-06	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	SINGAPORE	

Patents and Patent Applications Relating to EP-2014R, Fibrin Binding Agent

F&R Matter ID	Epix Ref.	Status	Serial No.	Filing Date	Patent No.	Issue Date	Title	Country	Cost Estimate to Respond/Revive
25704-0010TW1	MET-14/Taiwan	ABANDONED	91116938	29-Jul-02	240582	01-Oct-05	PURIFIED PEPTIDES FOR PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	TAIWAN	
25704-0010TW2	MET-14	ISSUED	93136652	29-Jul-02	284539	01-Aug-07	PURIFIED PEPTIDES FOR PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	TAIWAN	
25704-0010UA1	MET-14	ABANDONED	2004010709	30-Jul-02	81226	25-Dec-07	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	UKRAINE	
25704-0010UA2	MET-14	ABANDONED	203601920	30-Jul-02	84432	27-Oct-08	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	UKRAINE	
25704-0010VE1	MET-14/Taiwan	PUBLISHED	2002-001598	20-Aug-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	VENEZUELA	
25704-0010WO1	MET-14/PCT	NAT PHASE	PCT/US02/2426	30-Jul-02			PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	WIPO	
25704-0010ZA1	MET-14	ABANDONED	20041606	30-Jul-02	200401606	27-Jul-06	PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS	SOUTH AFRICA	
25704-0012D01	MET 16	ISSUED	10/209,416	30-Jul-02	7412279	12-Aug-08	SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULAR SYSTEM	UNITED STATES	
25704-0012AU1	MET-16	ABANDONED	2002322789	30-Jul-02	2002322789	28-Jul-06	SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	AUSTRALIA	
25704-0012AU2		ABANDONED	2006202989	30-Jul-02	200620289	05-Feb-09	SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	AUSTRALIA	
25704-0012BR1	MET-16	ABANDONED	PID211607-3	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	BRAZIL	
25704-0012CA1		ABANDONED	2455210	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	CANADA	
25704-0012CL1	MET-16/Chile	ABANDONED	1670-2002	29-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	CHILE	
25704-0012CN1	MET-16	ABANDONED	2819253.2	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	CHINA	
25704-0012EP1	MET-16	ABANDONED	2756607	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	EUROPEAN PATENT	

## Patents and Patent Applications Relating to EP-2014R, Fibrin Binding Agent

F&R Matter ID	Epix Ref.	Status	Serial No.	Filing Date	Patent No.	Issue Date	Title	Country	Cost Estimate to Respond/Revive
25704-0012HK1		ABANDONED	4104529.9	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	HONG KONG	
25704-0012HU1	MET-16	ABANDONED	P0401548	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	HUNGARY	
25704-0012IL1	MET-16	ABANDONED	159937	30-Jul-02			A METHOD OF DETERMINING THE PRESENCE OF A TARGET IN A VASCULAR SYSTEM USING A TARGETED MRI CONTRAST AGENT	ISRAEL	
25704-0012JP1	MET-16	ABANDONED	2003-516353	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	JAPAN	
25704-0012JP2		ABANDONED	2005-218095	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	JAPAN	
25704-0012JP3		ABANDONED	2008-78834	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	JAPAN	
25704-0012KR1	MET-16	ABANDONED	10-2004-700127	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	SOUTH KOREA	
25704-0012MX1	MET-16	ABANDONED	2004/000955	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	MEXICO	
25704-0012NO1	MET-16	ABANDONED	20040386	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	NORWAY	
25704-0012NZ1	MET-16	ABANDONED	531189	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	NEW ZEALAND	
25704-0012PO1	MET-16/Prov.	EXPIRED	60/306,690	30-Jul-01			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	UNITED STATES	

## Patents and Patent Applications Relating to EP-2014R, Fibrin Binding Agent

F&R Matter ID	Epix Ref.	Status	Serial No.	Filing Date	Patent No.	Issue Date	Title	Country	Cost Estimate to Respond/Revive
25704-0012PL1	MET-16	ABANDONED	P368736	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	POLAND	
25704-0012TW1	MET-16/Taiwan	ABANDONED	91116939	29-Jul-02	221406	01-Oct-04	SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	TAIWAN	
25704-0012WO1	MET-16/PCT	NAT PHASE	PCT/US02/2415	30-Jul-02			SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	WIPO	
25704-0012ZA1	MET-16	ABANDONED	2004-1605	30-Jul-02	2004/01605	29-Jun-05	SYSTEMS AND METHODS FOR TARGETED MAGNETIC RESONANCE IMAGING OF THE VASCULATURE	SOUTH AFRICA	
25704-0033001		ABANDONED	10/650,134	20-May-04			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	UNITED STATES	
25704-0033002		PENDING	11/642,883	04-Oct-06			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	UNITED STATES	
25704-0033BR1		PUBLISHED	P10410595-0	20-May-04			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	BRAZIL	
25704-0033CA1		PENDING	2526760	20-May-04			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	CANADA	
25704-0033CN1		ABANDONED	200480014188.X	20-May-04			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	CHINA	
25704-0033EP1		PUBLISHED	4762960.8	20-May-04			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	EUROPEAN PATENT	Divisional Deadline 10/01/2010; Estimate: \$5000 F&R fees
25704-0033HK1		PUBLISHED	6110942.2	20-May-04			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	HONG KONG	
25704-0033IN1		ABANDONED	2487/KOLNP/20	20-May-04			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	INDIA	

51

Patents and Patent Applications Relating to EP-2014R, Fibrin Binding Agent

F&R Matter ID	Epix Ref.	Status	Serial No.	Filing Date	Patent No.	Issue Date	Title	Country	Cost Estimate to Respond/Revive
25704-0033MX1		PENDING	20057012689	20-May-04			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	MEXICO	
25704-0033P01	MET-28/Frov	EXPIRED	60/473,368	23-May-03			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	UNITED STATES	
25704-0033W01		NAT PHASE	PCT/US2004/01	20-May-04			OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS	WIPO	
25704-0035001	MET-30	ABANDONED	10/888,833	09-Jul-04			STATIONARY TARGET IMAGING	UNITED STATES	
25704-0035002	MET-30	ABANDONED	11/642,862	04-Oct-06			STATIONARY TARGET IMAGING	UNITED STATES	
25704-0035AR1		ABANDONED	P040102443	08-Jul-04			STATIONARY TARGET IMAGING	ARGENTINA	
25704-0035CL1		ABANDONED	61268	09-Jul-04			STATIONARY TARGET IMAGING	CHILE	
25704-0035EP1		ABANDONED	4777892.1	09-Jul-04			STATIONARY TARGET IMAGING	EUROPEAN PATENT	
25704-0035HK1		ABANDONED	6112800.9	09-Jul-04			STATIONARY TARGET IMAGING	HONG KONG	
25704-0035P01	MET-30	EXPIRED	60/486,833	10-Jul-03			STATIONARY TARGET IMAGING	UNITED STATES	
25704-0035P02	MET-30	EXPIRED	60/643,875	12-Feb-04			STATIONARY TARGET IMAGING	UNITED STATES	
25704-0035TW1		ABANDONED	83120682	09-Jul-04			STATIONARY TARGET IMAGING	TAIWAN	
25704-0035VE1		ABANDONED	2004-001120	12-Jul-04			STATIONARY TARGET IMAGING	VENEZUELA	
25704-0035W01		ABANDONED	PCT/US2004/02	09-Jul-04			STATIONARY TARGET IMAGING	WIPO	
25704-0013001	MET-8	ABANDONED	09/627,718	28-Jul-00	8652835	25-Nov-03	TARGETING MULTIMERIC IMAGING AGENTS	UNITED STATES	
25704-0013002	MET-8/Continuation	ABANDONED	10/445,544	27-May-03			TARGETING MULTIMERIC IMAGING AGENTS	UNITED STATES	
25704-0013AU1	MET-8/Australia	ABANDONED	63860/00	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	AUSTRALIA	
25704-0013AU2		ABANDONED	2305202428	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	AUSTRALIA	
25704-0013BR1	MET-8/Brazil	ABANDONED	P10013171-7	26-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	BRAZIL	

Patents and Patent Applications Relating to EP-2014R, Fibrin Binding Agent

F&R Matter ID	Epix Ref.	Status	Serial No.	Filing Date	Patent No.	Issue Date	Title	Country	Cost Estimate to Respond/Revive
25704-0013CA1	MET-8/Canada	ABANDONED	2384665	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	CANADA	
25704-0013CN1	MET-8/China	ABANDONED	813045	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	CHINA	
25704-0013CN2		ABANDONED	2.0041E+11	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	CHINA	
25704-0013CZ1	MET-8/Czech Repub	ABANDONED	PV 2002-343	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	CZECH REPUBLIC	
25704-0013EA1	MET-8/Eurasia	ABANDONED	200200220	28-Jul-00	200200220	03-Feb-05	TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	EURASIA	
25704-0013EP1	MET-8/Europe	ABANDONED	950815.1	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	EUROPEAN PATENT	
25704-0013HK1	MET-8/Hong Kong	ABANDONED	3101252.8	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	HONG KONG	
25704-0013HU1	MET-8/Hungary	ABANDONED	P0202535	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	HUNGARY	
25704-0013IL1	MET-8/Israel	ABANDONED	147854	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	ISRAEL	
25704-0013IN1	MET-8/India	ABANDONED	433CAL2000	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS	INDIA	
25704-0013IS1	MET-8/Iceland	ABANDONED	5241	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	ICELAND	
25704-0013JP1	MET-8/Japan	ABANDONED	2001-513442	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	JAPAN	
25704-0013JP2		ABANDONED	2002-341392	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	JAPAN	
25704-0013KR1	MET-8/KR	ABANDONED	2002-7001126	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	SOUTH KOREA	



Patents and Patent Applications Relating to EP-2014R, Fibrin Binding Agent

F&R Matter ID	Epix Ref.	Status	Serial No.	Filing Date	Patent No.	Issue Date	Title	Country	Cost Estimate to Respond/Revive
25704-0013MX1	MET-8/Mexico	ABANDONED	2002001017	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	MEXICO	
25704-0013MY1	MET-8/Malaysia	ABANDONED	P120003463	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS	MALAYSIA	
25704-0013NO1	MET-8/Norway	ABANDONED	20020474	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	NORWAY	
25704-0013NZ1	MET-8/New Zealand	ABANDONED	517017	28-Jul-00	517017	09-Sep-04	TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	NEW ZEALAND	
25704-0013NZ2		ABANDONED	532100	28-Jul-00			A METHOD FOR DETERMINING THE PRESENCE OR ABSENCE OF A STATIONARY TARGET IN THE VASCULATURE OF AN	NEW ZEALAND	
25704-0013PO1	MET-8/Prov.	EXPIRED	607146.414	28-Jul-99			TARGETING MULTIMERIC IMAGING AGENTS	UNITED STATES	
25704-0013PO2	MET-8/Prov. CIP	EXPIRED	607163.650	04-Nov-99			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTIVALENT BINDING	UNITED STATES	
25704-0013PH1	MET-8/Philippines	ABANDONED	1-2000-02029	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS	PHILIPPINES	
25704-0013PL1	MET-8/Poland	ABANDONED	P353336	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	POLAND	
25704-0013RO1	MET-8/Romania	ABANDONED	2002-00070	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	ROMANIA	
25704-0013SG1	MET-8/Singapore	ABANDONED	200200336-6	28-Jul-00	86279	31-May-04	TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	SINGAPORE	
25704-0013TH1	MET-8/Thailand	ABANDONED	58282	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS	THAILAND	
25704-0013TW1	MET-8/Taiwan	ABANDONED	89115298	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS	TAIWAN	
25704-0013WO1	MET-8/PCT	NAT PHASE	PCT/US00/2053	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	WIPO	
25704-0013YU1	MET-8/Yugoslavia	ABANDONED	P-06502	28-Jul-00			TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	SERBIA	
25704-0013ZA1	MET-8/South Africa	ABANDONED	20020624	28-Jul-00	20020624	27-Aug-03	TARGETING MULTIMERIC IMAGING AGENTS THROUGH MULTILOCUS BINDING	SOUTH AFRICA	

Annuitties Relating to EP-2104R Fibrin Binding Agent

Case Number	Epix Number	Country	Status	Patent/App. No.	Issue/Filing Date	Annuitty Due Date	Original Cost	Late Fees	Title
25704-0010PH1	Mar-14	PH	ISSUED	1-2004-500145	6-Feb-2008	13-Feb-2010	667.00	\$188	PEPTIDE-BASED MULTIMERIC TARGET/PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS
25704-0010DN1	Mar-14	IN	ISSUED	228059	28-Jun-2009	31-Mar-2010	288.00		PEPTIDE-BASED MULTIMERIC TARGET/PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENT AND PEPTIDE-BASED CONTRAST AGENTS
25704-0010AU1	Mar-14	AU	ISSUED	2002318931	1-Mar-2008	30-Jul-2010	517.00		PEPTIDE-BASED MULTIMERIC TARGET/PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS
25704-0010CA1	Mar-14	CA	PENDING	2455658	30-Jul-2002	30-Jul-2010	562.00		PEPTIDE-BASED MULTIMERIC TARGET/PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS
25704-0016CO1	Mar-14	CO	Allowed	NOT AVAILABLE	14-Jul-2008	30-Jul-2010	605.00		PEPTIDE-BASED MULTIMERIC TARGET/PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENT AND PEPTIDE-BASED CONTRAST AGENTS
25704-0010DN1	Mar-14	IN	ISSUED		28-Jun-2009	30-Jul-2010	558.00		PEPTIDE-BASED MULTIMERIC TARGET/PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENT AND PEPTIDE-BASED CONTRAST AGENTS
25704-0010TW2	Mar-14	TW	ISSUED	238459	1-Aug-2007	01-Aug-2010	458.00		PEPTIDE-BASED MULTIMERIC TARGET/PURIFIED PEPTIDES FOR PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS
25704-0010TW1	Mar-14	TW	ISSUED	2240652	1-Oct-2005	01-Oct-2010	476.00		PEPTIDE-BASED MULTIMERIC TARGET/PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS
25704-0010003	Mar-14	US	ISSUED	723841	3-Jul-2007	03-Jan-2011	1,238.00		PEPTIDE-BASED MULTIMERIC TARGET/PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENTS
25704-0010PH1	Mar-14	PH	ISSUED		6-Feb-2008	13-Feb-2011	713.00		PEPTIDE-BASED MULTIMERIC TARGET/PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENT AND PEPTIDE-BASED CONTRAST AGENTS
25704-0010DN1	Mar-14	IN	ISSUED		28-Jun-2009	31-Mar-2011	288.00		PEPTIDE-BASED MULTIMERIC TARGET/PEPTIDE-BASED MULTIMERIC TARGETED CONTRAST AGENT AND PEPTIDE-BASED CONTRAST AGENTS
25704-0033BR1	Mar-29	BR	Pending	PI0410635-0	20-May-2004	20-May-2010	415.00	\$152	OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS
25704-0033CA1	Mar-29	CA	Pending	2526760	20-May-2004	20-May-2010	570.00	\$640	OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS
25704-0033EP1	Mar-29	EP	Pending	4752920.8	20-May-2004	20-May-2010	2,096.00	\$767	OPTICALLY PURE AND ENRICHED ISOMERS OF CHELATING LIGANDS AND CONTRAST AGENTS

Patents and Patent Applications Relating to myocardial perfusion imaging

F&R Matter ID	Epix Ref.	Status	Serial No.	Filing Date	Patent No.	Issue Date	Title	Country
25704-0089001 (17330-0008001)		ABANDONED	11/618,564	29-Dec-06			COLLAGEN BINDING PEPTIDES	UNITED STATES
25704-00891P01 (17330-0008P01)	ES-37	EXPIRED	60/755,710	29-Dec-05			COLLAGEN BINDING PEPTIDES	UNITED STATES
25704-00891P02 (17330-0008P02)	ES-37	EXPIRED	60/844,768	15-Sep-06			COLLAGEN BINDING PEPTIDES	UNITED STATES
25704-0090001 (17330-0009001)		ABANDONED	11/618,556	29-Dec-06			COLLAGEN BINDING PEPTIDES	UNITED STATES
25704-00901P01 (17330-0009P01)	ES-18	EXPIRED	60/755,709	29-Dec-05			COLLAGEN BINDING PEPTIDES	UNITED STATES
25704-00901P02 (17330-0009P02)	ES-18	EXPIRED	60/845,118	15-Sep-06			AGENTS AND METHODS FOR COLLAGEN AND MYOCARDIAL IMAGING	UNITED STATES
25704-00901WO1 (17330-0009WO1)		ABANDONED	PCT/US2006/06274	29-Dec-06			METHODS FOR MYOCARDIAL IMAGING	WIPO
25704-0091P01 (17330-0010P01)		EXPIRED	60/838,488	17-Aug-06			LYMPH NODE IMAGING METHODS FOR LYMPH	UNITED STATES
25704-0091WO1 (17330-0010WO1)	\$3456A	NAT PHASE	PCT/US2007/0761	16-Aug-07			SYSTEM IMAGING	WIPO
25704-0093001 (17330-0012001)	ES 24 and 32	PUBLISHED	11/618,458	29-Dec-06			AGENTS AND METHODS FOR COLLAGEN AND MYOCARDIAL IMAGING	UNITED STATES

Annunities Relating to myocardial perfusion imaging

Case Number	Epix Number	Country	Status	Patent/App. No.	Issue/Filing Date	Annuitiy Due Date	Title
25704-0045EP1	EP-34	EP	Pending	6720404	3-Feb-2006	03-Feb-2011	//STEADY STATE PERFUSION METHODS

Schedule 1