

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>Randall B. Lauffer</td><td>11/21/1997</td></tr><tr><td>Stephen O. Dunham</td><td>11/24/1997</td></tr></tbody></table>	Name	Execution Date	Randall B. Lauffer	11/21/1997	Stephen O. Dunham	11/24/1997					
Name	Execution Date										
Randall B. Lauffer	11/21/1997										
Stephen O. Dunham	11/24/1997										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Epix Medical, Inc.</td></tr><tr><td>Street Address:</td><td>71 Rogers Street</td></tr><tr><td>City:</td><td>Cambridge</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>02142-1118</td></tr></table>	Name:	Epix Medical, Inc.	Street Address:	71 Rogers Street	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02142-1118	
Name:	Epix Medical, Inc.										
Street Address:	71 Rogers Street										
City:	Cambridge										
State/Country:	MASSACHUSETTS										
Postal Code:	02142-1118										
PROPERTY NUMBERS Total: 2											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>7175829</td></tr><tr><td>Patent Number:</td><td>6861045</td></tr></tbody></table>	Property Type	Number	Patent Number:	7175829	Patent Number:	6861045					
Property Type	Number										
Patent Number:	7175829										
Patent Number:	6861045										
CORRESPONDENCE DATA											
Fax Number: (612)288-9696 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 612-335-5070											
Email: mtm@fr.com											
Correspondent Name: Teresa A. Lavoie											
Address Line 1: Fish & Richardson P.C.											
Address Line 2: P.O. Box 1022											
Address Line 4: Minneapolis, MINNESOTA 55440-1022											
ATTORNEY DOCKET NUMBER:	13498-009002, 009003										
NAME OF SUBMITTER:	Meredith Mescher										
Total Attachments: 6 source=13498009INVSTOEPIXMED#page1.tif											

CH \$80.00 7175829

500776185

PATENT
REEL: 022222 FRAME: 0863

source=13498009INVSTOEPIXMED#page2.tif
source=13498009INVSTOEPIXMED#page3.tif
source=13498009INVSTOEPIXMED#page4.tif
source=13498009INVSTOEPIXMED#page5.tif
source=13498009INVSTOEPIXMED#page6.tif

ASSIGNMENT

We,

- (1) Randall B. Lauffer, and
- (2) Stephen O. Dunham,

residing, respectively, at

- (1) 23 Sumner Road, Brookline, Massachusetts 02146, and
- (2) 34 K Loantaka Way, Madison, New Jersey 07940,

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to EPIX Medical, Inc. a corporation organized and existing under the laws of the State of Delaware and having an office and a place of business at 71 Rogers Street, Cambridge, Massachusetts 02142-1118 its successors and assigns: (1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all our inventions and discoveries disclosed in the application for Letters Patent in the United States entitled: CONTRAST-ENHANCED DIAGNOSTIC IMAGING METHOD FOR MONITORING INTERVENTIONAL THERAPIES, and filed in the United States Patent and Trademark Office on October 2, 1997, under Serial Number 08/942,989, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of EPIX Medical, Inc. its designee, or in our names at EPIX Medical, Inc. or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations and extensions of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to EPIX Medical, Inc. as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of EPIX Medical, Inc. to execute and to deliver to EPIX Medical, Inc. any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of EPIX Medical, Inc. such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of EPIX Medical, Inc. under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNORS:

_____(1)
Randall B. Lauffer

Stephen Dunham (2)
Stephen O. Dunham

On this ____ day of _____, 1997, Randall B. Lauffer (1) personally appeared before me, a Notary Public in and for the Commonwealth of Massachusetts, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.

Notary Public

On this 24 day of November, 1997, Stephen O. Dunham (2) personally appeared before me, a Notary Public in and for the State of NY, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.

John A. Giancola
Notary Public

JOHN A. GIANCOLA
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires May 27, 2002

ACKNOWLEDGEMENT OF ASSIGNEE:

EPIX Medical, Inc.

By:

Randall B. Lauffer
Randall B. Lauffer
Chairman and Chief Scientific Officer

On this 4th day of December, 1997, Randall B. Lauffer personally appeared before me, a Notary Public in and for the Commonwealth of Massachusetts, and duly acknowledged the executed Assignment on behalf of the Assignee.

Banckroft Murphy
Notary Public
Commission Expires: May 21, 2004

ASSIGNMENT

We,

- (1) Randall B. Lauffer, and
- (2) Stephen O. Dunham,

residing, respectively, at

- (1) 23 Sumner Road, Brookline, Massachusetts 02146, and
- (2) 34 K Loantaka Way, Madison, New Jersey 07940,

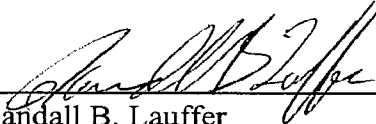
for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to EPIX Medical, Inc. a corporation organized and existing under the laws of the State of Delaware and having an office and a place of business at 71 Rogers Street, Cambridge, Massachusetts 02142-1118 its successors and assigns: (1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all our inventions and discoveries disclosed in the application for Letters Patent in the United States entitled: CONTRAST-ENHANCED DIAGNOSTIC IMAGING METHOD FOR MONITORING INTERVENTIONAL THERAPIES, and filed in the United States Patent and Trademark Office on October 2, 1997, under Serial Number 08/942,989, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of EPIX Medical, Inc. its designee, or in our names at EPIX Medical, Inc. or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations and extensions of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to EPIX Medical, Inc. as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of EPIX Medical, Inc. to execute and to deliver to EPIX Medical, Inc. any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.


We further agree at any time to execute and to deliver upon request of EPIX Medical, Inc. such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of EPIX Medical, Inc. under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNORS:

 (1)
Randall B. Lauffer

(2)
Stephen O. Dunham

On this 21st day of November, 1997, Randall B. Lauffer (1) personally appeared before me, a Notary Public in and for the Commonwealth of Massachusetts, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.

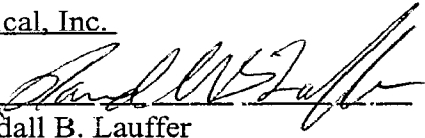

Notary Public
Commission Expires: May 21, 2004

On this ____ day of _____, 1997, Stephen O. Dunham (2) personally appeared before me, a Notary Public in and for the _____, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.


Notary Public

ACKNOWLEDGEMENT OF ASSIGNEE:

EPIX Medical, Inc.

By: 
Randall B. Lauffer
Chairman and Chief Scientific Officer

On this 21st day of November, 1997, Randall B. Lauffer personally appeared before me, a Notary Public in and for the Commonwealth of Massachusetts, and duly acknowledged the executed Assignment on behalf of the Assignee.


Notary Public
Commission Expires: May 21, 2004