

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>Chang-Ming Ma</td><td>08/28/2006</td></tr><tr><td>Eugene S. Fourkal</td><td>08/28/2006</td></tr></tbody></table>	Name	Execution Date	Chang-Ming Ma	08/28/2006	Eugene S. Fourkal	08/28/2006	
Name	Execution Date						
Chang-Ming Ma	08/28/2006						
Eugene S. Fourkal	08/28/2006						
RECEIVING PARTY DATA							
Name:	Fox Chase Cancer Center						
Street Address:	7701 Burholme Avenue						
City:	Philadelphia						
State/Country:	PENNSYLVANIA						
Postal Code:	19111						
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>11445850</td></tr></tbody></table>	Property Type	Number	Application Number:	11445850			
Property Type	Number						
Application Number:	11445850						
CORRESPONDENCE DATA							
Fax Number:	(215)568-3439						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	215-568-3100						
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Correspondent Name:	Woodcock Washburn						
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Address Line 4:	Philadelphia, PENNSYLVANIA 19104-2891						
ATTORNEY DOCKET NUMBER:	FCCC-0099						
NAME OF SUBMITTER:	Joanne Gallagher						
Total Attachments: 3 source=FCCC-0099-assignment#page1.tif source=FCCC-0099-assignment#page2.tif							

CH 11445850 \$40.00

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PATENT
REEL: 018591 FRAME: 0710

ASSIGNMENT

WHEREAS, we **Chang-Ming Ma** and **Eugene S. Fourkal** hereinafter referred to as the assignors, residing respectively at **1857 Nicholas Drive, Huntington Valley, Pennsylvania 19006** and **1801 Winchester Avenue, Apartment D12, Philadelphia, Pennsylvania 19115**, are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Application No.11/445,850, filed **June 1, 2006**, entitled **Method Of Modulating Laser-Accelerated Protons For Radiation Therapy; and**

WHEREAS, **Fox Chase Cancer Center**, hereinafter referred to as the assignee, of **7701 Burholme Avenue, Philadelphia, Pennsylvania 19111**, a corporation of **Pennsylvania**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, including the full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said application or any continuations, divisions, or renewals of or substitutes for said application. We further assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to

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Application No. Known)

obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

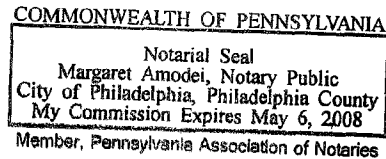
AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

28 Aug 2006
Date

Chang-Ming Ma (L.S.)
Chang-Ming Ma

STATE OF Pennsylvania :
COUNTY OF Philadelphia : SS



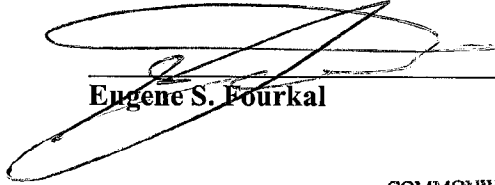
On this 28 day of August, year of 2006, before me personally came the above named **Chang-Ming Ma** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Margaret Amodi
Notary Public

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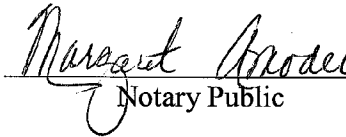
08/28/06
Date


Eugene S. Fourkal (L.S.)

STATE OF Pennsylvania :
COUNTY OF Philadelphia : SS

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Margaret Amodei, Notary Public
City of Philadelphia, Philadelphia County
My Commission Expires May 6, 2008
Member, Pennsylvania Association of Notaries

On this 28 day of August, year of 2006, before me personally came the above named **Eugene S. Fourkal** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.


Notary Public