

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RICHARD D. BUCHOLZ	02/05/2001
D. DOUGLAS MILLER	02/05/2001
<b>RECEIVING PARTY DATA</b>	
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<b>State/Country:</b>	MISSOURI
<b>Postal Code:</b>	63110-0250
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	6862469
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<b>ATTORNEY DOCKET NUMBER:</b>	047176-0452763_531D01US
<b>NAME OF SUBMITTER:</b>	BENJAMIN F. HUDSON
<b>SIGNATURE:</b>	/Ben Hudson/
<b>DATE SIGNED:</b>	11/20/2019
<b>Total Attachments: 4</b>	
source=047176-0452763_531D01US Assignment from Inventors to St Louis University#page1.tif	
source=047176-0452763_531D01US Assignment from Inventors to St Louis University#page2.tif	
source=047176-0452763_531D01US Assignment from Inventors to St Louis University#page3.tif	
source=047176-0452763_531D01US Assignment from Inventors to St Louis University#page4.tif	

ASSIGNMENT

WHEREAS, We Richard D. Bucholz of St. Louis, Missouri and D. Douglas Miller of St. Louis, Missouri, have invented an improvement in SYSTEM COMBINING PROTON BEAM IRRADIATION AND MAGNETIC RESONANCE IMAGING described in a provisional application for a United States patent Serial No. 60/179,271, filed January 31, 2000 (File SLU 4497) and described in application Serial No. 09/754,852, filed January 4, 2001 (SLU 4497.1), executed concurrently herewith;

AND, WHEREAS, St. Louis University of St. Louis, Missouri, a corporation of the State of Missouri (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States applications, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States applications or in whole or in part on said invention, any foreign applications based in whole

or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

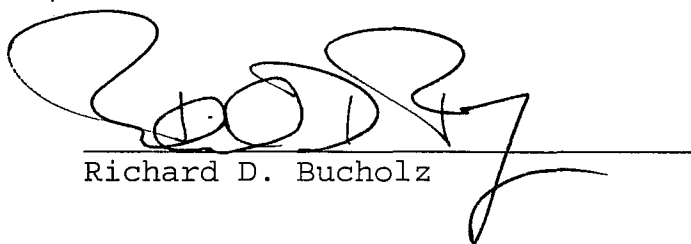
**TO BE HELD AND ENJOYED** by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made;

**AND We** hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

**AND We** hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND We hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.


IN WITNESS WHEREOF, we have hereunto set our hands.

  
Richard D. Bucholz

STATE OF Missouri )  
 )  
CITY OF St. Louis )

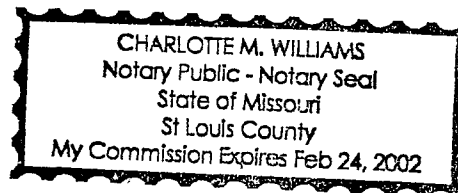
On this 5 day of February, 2001, before me, a Notary Public, personally appeared Richard D. Bucholz to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

  
Notary Public

My Commission Expires:

2/24/02



D. Douglas Miller 2/5/01

STATE OF Missouri )  
 )  
CITY OF St. Louis )

On this 5<sup>th</sup> day of February, 2001, before me, a Notary Public, personally appeared D. Douglas Miller to me known to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and the date and year last above written.

Crystal Y. Stepter  
Notary Public

My Commission Expires:

Apr. 23, 2002

