1416/		<u>ATENTS</u>	05-13-2		
To the Honorable C ក្រគុំ អំវែ	Sioner of Patents and Tra	ademarks: Pleas	1020863		of.
1. Name of conveying party(ies) (assignor(s)): 1		102000		
Richard D. Bucholz					
Additional name(s) of conveying party(ies	· · · · · · · · · · · · · · · · · · ·				
2. Name and Address of Party(ies) receiving				-	
Address: 3556 Caroline Street					
City: St. Louis State: Country: U.S.A.	MO Zip	p:63104			
Additional name(s) & address(es) attached	?□yes ⊠no		-		
Nature of Conveyance:					
☑ Assignment □	Merger	[Change of Name		
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Execution Date: January 18, 1999		_			.
If this document is being filed together with A. Patent Application No(s).	th a new application, the	execution date(s) of B. Patent			
	th a new application, the				
A. Patent Application No(s).		B. Patent	No(s).		
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A. Patent Application No(s). 09/398,313 5. Name and address of party to whom corresconcerning document should be mailed: Frank R. Agovino	Others on addition	B. Patent hal sheet(s) attached 6. Total nur Application 7. Total Fee	No(s). d? □ Yes ☒ No nber of applications and pate on(s) 1 + Patent(s): (37 CFR 3.41)	ents involved: _ = Total_1	
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A. Patent Application No(s). 09/398,313 5. Name and address of party to whom corresconcerning document should be mailed: Frank R. Agovino Senniger, Powers, Leavitt & Roedel One Metropolitan Square 16th Floor St. Łouis, Missouri 63102 (314) 231-5400 (telephone)	Others on addition spondence	B. Patent nal sheet(s) attache 6. Total nur Application 7. Total Fee	No(s). No(s). Yes No Inber of applications and pate on(s) 1 + Patent(s): (37 CFR 3.41)	ents involved: _ = Total_1 osit account ned) it any overpayment ue copy of the orig	\$ 40.00
A. Patent Application No(s). 09/398,313 5. Name and address of party to whom corresconcerning document should be mailed: Frank R. Agovino Senniger, Powers, Leavitt & Roedel One Metropolitan Square 16th Floor St. Louis, Missouri 63102 (314) 231-5400 (telephone)	Others on addition spondence	B. Patent nal sheet(s) attache 6. Total nur Application 7. Total Fee	No(s). No(s). Yes No Inber of applications and pate on(s) 1 + Patent(s): (37 CFR 3.41)	ents involved: _ = Total_1 osit account ned) it any overpayment ue copy of the orig	to nal document.

05/1

PATENT REEL: 012870 FRAME: 0277

ASSIGNMENT

- WHEREAS, I, Richard D. Bucholz of St. Louis, Missouri, am the owner of the entire right, title and interest in and to certain United States patent applications and the inventions disclosed therein;
- 2. AND WHEREAS, St. Louis University of St. Louis, Missouri, a corporation duly organized and existing under the laws of the State of Missouri, is desirous of acquiring certain rights thereunder;
- 3. NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration by Assignee to Assignor in hand paid, receipt of all of which is hereby acknowledged, I have agreed to and do hereby sell, assign and transfer unto said corporation my entire right, title and interest in and to said inventions, 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 inventions, 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 inventions, 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 inventions or any part thereof:
- TO BE HELD AND ENJOYED BY said corporation, its successors and assigns, as fully and entirely as the same would

PATENT REEL: 012870 FRAME: 0278 have been held and enjoyed by me had no sale and assignment of said interest been made;

- 5. AND so far as my interest is concerned I hereby authorize and request the Commissioner of Patents and Trademarks 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 inventions or any part thereof, to said corporation;
- 6. AND I hereby jointly and severally agree for myself and for my 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 corporation fully to secure to said corporation its interest as aforesaid in and to said inventions or any part thereof, and in and to said several patents or any part thereof;
- 7. AND I hereby jointly and severally covenant for myself and for my legal representatives, and agree with said corporation, its successors and assigns, that I have granted no right or license to make, use or sell said inventions, to anyone except said corporation, that prior to the execution of this deed my right, title and interest in said inventions had not been otherwise encumbered, and that I have not executed and will not execute any instrument in conflict herewith.

THE UNITED STATES PATENT APPLICATIONS ARE AS FOLLOWS:

Serial No.	Filed	<pre>Inventor(s)</pre>	<u>Title</u>
08/319,615	10-7-94	Foley et al.	Bone Navigation System
08/858,948	5-20-97	Foley et al.	Bone Navigation System
08/931,654	9-16-97	Foley et al.	Bone Navigation System
08/053,076	4-26-93	Bucholz	System for Indicating the Position of a Surgical Probe Within a Head on an Image of the Head
03/477,561	6-7-95	Bucholz	System for Indicating the Position of a Surgical Probe Within a Head on an Image of the Head

9. IN WITNESS WHEREOF, I have hereunto set my hand this day of January, 1999,

<u>ACKNOWLEDGEMENT</u>

State of <u>Missouri</u>	_)	
)	SS.
County of St. Louis	_)	

On this 18 day of January, 1999, before me personally appeared Richard D. Bucholz, known to me to be the person who executed the foregoing Assignment and who acknowledged to me that he executed the same for the purposes stated therein.

My Commission Expires:

(Notarial Seal)

CHARLOTTE M. WILLIAMS Notary Fubila - Notary Seal State of Missouri St Louis County My Commission Expires Feb 24, 2002

> **PATENT** REEL: 012870 FRAME: 0280