FORM PTO-1595 1-31-92



U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. 06148.0026

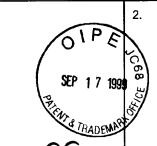
To the Honorable Commissioner of Patents and 101150222

Please record the attached original documents or copy thereof.

ATTN. BOX ASSIGNMENTS

Name of conveying parties:
 Richard D. Bucholz
 Kevin T. Foley
 Kurt R. Smith
 Daniel Bass
 Thomas Wiedenmaier
 Todd Pope

Udo Wiedenmaier



Name and address of receiving parties:

Surgical Navigation Technologies, Inc. 530 Compton Street Broomfield, Colorado 80020

St. Louis University 3635 Vista Avenue at Grand Blvd. St. Louis, MO 63110

				**				
3.	Nature of conveyance:							
	Assignment	0	Merger					
	Security Agreement		Change of Name					
	Other:			Additi	onal r	name(s) & Address(es) attached?	
Executi	on Date: 7-14-98, 4-1- 9	9, 5-4-99, 8	3-30-99 and 9-14-99		_ Y	∕es ■ No		
4. Application number: 08/809,404			•					
5.	Name and address of par concerning document sho			6.		otal number of applic NE	cations and reg	istrations involved:
Name: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.			7.		otal fee (37 CFR 3.4	•		
Street A	Street Address: 1300 Street, N.W.				 Enclosed (Please charge deficiency to deposit 			
City:	Washington, D.C).		□ Authorized to be charged to deposit accoun		account		
State:		Zip:	20005-3315	8.	D	eposit Account No.:	<u>06-0916</u>	

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jill E. DeMello

Rey. No. 42,477

Signature

1/17/9 Date

Total number of pages including cover sheet, attachments and documents: 1

09/21/1999 DNGUYEN 00000037 08809404

01 FC:581

40.00 OP

WHEREAS I/We, the below named inventor, hereinafter referred to as Assignors, have made an invention entitled:

SURGICAL NAVIGATION SYSTEMS INCLUDING REFERENCE AND LOCALIZATION FRAMES

for We filed an application for United States Letters Patent on July 23, 1997 (Serial No. 08/809,404); and

WHEREAS, St. Louis University, 3635 Vista Avenue at Grand Blvd., St. Louis, MO 63110 and Surgical Navigation Technologies, Inc., a corporation of Delaware whose post office address is 530 Compton Street, Broomfield, Colorado 80020 (hereinafter referred to as Assignee), are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application, and to the International Application PCT WO 96/11624 filed October 5, 1995;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/We, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. 60/003,415, filed September 8, 1995, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of this application, as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of)	66	Richard D. Bucholz #3 Kingsbury	
State of	SS.	St. Louis, Missouri 63112	
		(signature)	<u></u>
		(date)	
Subscribed and sworn to before me this, Notary Public		, 19	

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

County of) State of)	SS.	Kevin T. Foley 2771 Hunter's Forrest Germantown, TN
		(signature)
		(date)
Subscribed and sworn to before me this da	ay of,	19
County of Scalder State of Colorado	ss.	Kurt R. Smith 3400 Eldorado Springs Dr. Boulder, CO
My Commission Expired January 12, 1990	ş	(signature) 1 - / 4 - 98 (date)
Subscribed and sworin to before me this the day of the subscribed and sworing to before me this day of the subscribed and the subscribed are the subscribed and the subscribed are the subscribed and the subscribed are the s	ay of July	. 19 <u>4</u> 5
County of SAN MATEU State of CAUTORNIA	SS.	Daniel Bass 735 K Old County Rd. Belmont, CA 94002
IRMY D. SCHUTZ Commission # 1116659 Notary Public — California Alameda County My Comm. Expires Dec 21, 2000		(signature) 9/14/99 (date)
Subscribed and sworn to before me this	ay of <u>SEPT</u>	, 19 <u><i>99</i></u>

County of	Thomas Wiedenmaier
State of) ss.	1089 Annapolis Drive San Mateo, CA 94403
SEE ATTACHED ACKNOWLEDGEMENT	Milliam
	(signature) $9-14-99$
	(date)
Committee and the second second	
Subscribed and sword to before me this 30 day of 4116	, 19 <u>7</u> .7
Set Man	
County of Alara ss.	Todd Pope Unit A, 871 Industrial Rd
State of)	San Carlos, CA 94070
OFFICIAL SEAL KATHLEEN M. ITTEL NOTARY PUBLIC - CALIFORNIA	Todd for
COMMISSION # 1104498 SANTA CLARA COUNTY	(signature)
My Commission Exp. November 17, 2000	8/35/99 (date)
Subscribed and sworn to before me this day of, Notary Public	19
County of SAN MATEO) ss.	Udo Wiedenmaier Unit A, 871 Industrial Rd.
State of <u>CALIFORNIA</u>	San Carlos, CA 84070
IRMY D. SCHUTZ	Ido Widdie
Commission # 1118659 Notary Public — California Alamada County	(signature)
My Comm. Expires Dec 21, 2000	<u>9-14-99</u> (date)
Subscribed and sworn to before me this _/4 day of _SePT Street Street Notary Public	19 <u><i>99</i></u>

State of('ALL'FORMI'A	
County of PANMATED	
on 14th Sept 1999 befo	ore me, RMYD SCHUTZ HOTARY PUBLIC'Y) Name and Title of Officer (e.g., "Jane Boe, Notary Public") WIEDHMAYER Name(s) of Signer(s)
personally appeared	Name and Title of Officer (e.g., "Jane Voe, Notary Public")/ WiEDtWMATER
	Name(s) of Signer(s) d to me on the basis of satisfactory evidence to be the person(s
FRMY D. SCHUTZ Commission # 1116650 Notary Public — California	whose name(s) is/are subscribed to the within instrumer and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that bhis/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted executed the instrument.
Alameda County My Comm. Expires Dec 21, 2000	WITNESS my hand and official seal.
	/2 /
	Signature of Notary Public
	- OPTIONAL
	 it may prove valuable to persons relying on the document and could prevent d reattachment of this form to another document.
Description of Attached Docume	nt
	NAMENT (SUR GIEM MAVIGATION SYS
	Number of Pages:
Signer(s) Other Than Named Above:	
	• •
	IMM EP Signer's Name:
☑ Individual □ Corporate Officer	☐ Individual☐ Corporate Officer
Title(s): Partner — □ Limited □ General	
□ Partner — □ Limited □ General □ Attorney-in-Fact	│
☐ Trustee	☐ Trustee
OF S	#UMBPRINT Guardian or Conservator Guardian or Conservator Other: Top of thumb here
Signer Is Representing:	Signer Is Representing:

WHEREAS I/We, the below named inventor, hereinafter referred to as Assignors, have made an invention entitled:

SURGICAL NAVIGATION SYSTEMS INCLUDING REFERENCE AND LOCALIZATION FRAMES

for We filed an application for United States Letters Patent on July 23, 1997 (Serial No. 08/809,404); and

WHEREAS, St. Louis University, 3635 Vista Avenue at Grand Blvd., St. Louis, MO 63110 and Surgical Navigation Technologies, Inc., a corporation of Delaware whose post office address is 530 Compton Street, Broomfield, Colorado 80020 (hereinafter referred to as Assignee), are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application, and to the International Application PCT WO 96/11624 filed October 5, 1995;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/We, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. 60/003,415, filed September 8, 1995, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application, as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of)	SS.	Richard D. Bucholz #3 Kingsbury	
State of		St. Louis, Missouri 63112	
			, , , , , , , , , , , , , , , , , , ,
		(signature)	
		(date)	
Subscribed and sworn to before me this, Notary Public		, 19	

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

County of)	SS.	Kevin T. Foley 2771 Hunter's Forrest
State of	30.	Germantown, TN
		(signature)
		(date)
Subscribed and sworn to before me this day	y of, 1	9
County of Scalder State of Colorado	ss.	Kurt R. Smith 3400 Eldorado Springs Dr. Boulder, CO
My Commission Expires January 12, 1990		(signature) 1 - / 4 - 98 (date)
Subscribed and sworn to before me this the day	y or July, 1	645
County of) State of)	ss.	Daniel Bass 735 K Old County Rd. Belmont, CA 94002
		(signature)
		(date)
Subscribed and sworn to before me this day	y of, 1	9

County of		Thomas Wiedenmaier
State of)	SS.	1089 Annapolis Drive San Mateo, CA 94403
		(signature)
		(Signature)
		(date)
		(uate)
Subscript and sword thought me this 2/	Oday of All	1099
Subscribe dan swort to be fore me this 30 Notary Public	Z day of	, 19 <u>7 </u> ?
County of Santallara		Todd Pope
(11)	SS.	Unit A, 871 Industrial Rd
State of)		San Carlos, CA 94070
OFFICIAL		411.0
KATHLEEN NOTARY PUBLIC	- CALIFORNIA 🚆	(aimatus)
COMMISSION SANTA CLARA	A COUNTY 📑	(signature)
My Commission Exp. N	lovember 17, 2000	8/30/99
		(date)
Subscribed and sworn to before me this, Notary Public	_ day of	, 19
, wotary r abito		
County of)		Udo Wiedenmaier
State of)	SS.	Unit A, 871 Industrial Rd. San Carlos, CA 84070
		can cance, 6/1040/0
		(signature)
		(date)
		•
Subscribed and sworn to before me this	day of	. 19
Notary Public		'

WHEREAS I/We, the below named inventor, hereinafter referred to as Assignors, have made an invention entitled:

SURGICAL NAVIGATION SYSTEMS INCLUDING REFERENCE AND LOCALIZATION FRAMES

for We filed an application for United States Letters Patent on July 23, 1997 (Serial No. 08/809,404); and

WHEREAS, St. Louis University, 3635 Vista Avenue at Grand Blvd., St. Louis, MO 63110 and Surgical Navigation Technologies. Inc., a corporation of Delaware whose post office address is 530 Compton Street, Broomfield, Colorado 80020 (hereinafter referred to as Assignee), are desirous of securing the entire right, title, and interest in and to this invention in aid countries throughout the world, in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application, and to the International Application PCT WO 96/11624 filed October 5, 1995;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/We, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. 60/003,415, filed September 8, 1995, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the little to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of St. Louis Richard D. Bucholz SS. #3 Kingsbury State of Missouri St. Louis, Missouri 63112 (signature) (date) _ day of _*H0* r i l Subscribed and sworp to before me this harlottem-William-Notary Public CHARLOTTE M. WILLIAMS Notary Public - Notary Seal State of Missouri St Louis County My Commission Expires Feb 24, 2002

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

County of)	_	Kevin T. Foley
State of)	SS.	2771 Hunter's Forrest Germantown, TN
		(signature)
		(date)
Subscribed and sworn to before me this day, Notary Public	of,	19
County of Scalder State of Colorado	SS.	Kurt R. Smith 3400 Eldorado Springs Dr. Boulder, CO
		(signature)
My Commission Expires		7-/4-98
January 12, 1990		(date)
Subscribed and sworn to before me this the day	or bely.	1999
County of		Daniel Bass
State of)	SS.	735 K Old County Rd. Belmont, CA 94002
		(signature)
		(Signature)
		(date)
Subscribed and sworn to before me this day	/ of,	19

County of)		Thomas Wiedenmaier	
)	SS.	1089 Annapolis Drive	
State of)		San Mateo, CA 94403	
		(aireatura)	
		(signature)	
		(date)	
Subscribed and sworn to before me this, Notary Public	day of	, 19	
County of)		Todd Pope	
)	SS.	Unit A, 871 Industrial Rd	
State of)		San Carlos, CA 94070	
		(signature)	
		(date)	
Subscribed and sworn to before me this	day of	19	
, Notary Public			
County of)		Udo Wiedenmaier	
)	SS.	Unit A, 871 Industrial Rd.	
State of)		San Carlos, CA 84070	
		(signature)	
		(date)	
Subscribed and sworn to before me this	day of	. 19	
Notany Public		 ' · · · · '	

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

WHEREAS I/We, the below named inventor, hereinafter referred to as Assignors, have made an invention entitled:

SURGICAL NAVIGATION SYSTEMS INCLUDING REFERENCE AND LOCALIZATION FRAMES

for We filed an application for United States Letters Patent on July 23, 1997 (Serial No. 08/809,404); and

WHEREAS, St. Louis University, 3635 Vista Avenue at Grand Blvd., St. Louis, MO 63110 and Surgical Navigation Technologies, Inc., a corporation of Delaware whose post office address is 530 Compton Street, Broomfield, Colorado 80020 (hereinafter referred to as Assignee), are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application, and to the International Application PCT WO 96/11624 filed October 5, 1995;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/We, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. 60/003,415, filed September 8, 1995, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of) State of)	SS.	Richard D. Bucholz #3 Kingsbury St. Louis, Missouri 63112	
		(signature)	
		(date) .	
Subscribed and sworn to before me this, Notary Public		, 19	

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

State of Luxesseer	SS.	Kevin T. Foley 2771 Hunter's Forrest Germantown, TN 35/39 (signature) (date)
Subscribed and sworn to before me this 4 day My Commission	of <u>May</u> , 1	9 <u>9</u> .9
County of Scalder State of Colorado	SS.	Kurt R. Smith 3400 Eldorado Springs Dr. Boulder, CO
My Commission Expires January 12, 1990		(signaturė)
Specified and sworn to before me this Haday	yor bely. 1	913
County of) State of)	ss.	Daniel Bass 735 K Old County Rd. Belmont, CA 94002
		(signature)
		(date)
Subscribed and sworn to before me this day	y of, 1	19

County of		Thomas Wiedenmaier	
State of)	SS.	1089 Annapolis Drive San Mateo, CA 94403	
		(signature)	- 51.0
		(date)	
Subscribed and sworn to before me, Notary	e this day of Public	, 19	
County of)		Todd Pope	
State of)	SS.	Unit A, 871 Industrial Rd San Carlos, CA 94070	
		(signature)	
		(date)	
Subscribed and sworn to before me, Notary	e this day of Public	, 19	
County of)		Udo Wiedenmaier	
State of)	SS.	Unit A, 871 Industrial Rd. San Carlos, CA 84070	
		(signature)	
		(date)	
Subscribed and sworn to before me, Notary I	e this day of Public	_, 19	

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

WHEREAS I/We, the below named inventor, hereinafter referred to as Assignors, have made an invention entitled:

SURGICAL NAVIGATION SYSTEMS INCLUDING REFERENCE AND LOCALIZATION FRAMES

for We filed an application for United States Letters Patent on July 23, 1997 (Serial No. 08/809,404); and

WHEREAS, St. Louis University, 3635 Vista Avenue at Grand Blvd., St. Louis, MO 63110 and Surgical Navigation Technologies, Inc., a corporation of Delaware whose post office address is 530 Compton Street, Broomfield, Colorado 80020 (hereinafter referred to as Assignee), are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application, and to the International Application PCT WO 96/11624 filed October 5, 1995;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/We, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. 60/003,415, filed September 8, 1995, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF. I/We have hereunto set our hands

County of) State of)	SS.	Richard D. Bucholz #3 Kingsbury St. Louis, Missouri 63112	
		(signature)	
		(date)	
Subscribed and sworn to before me t		_, 19	

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

County of		Kevin T. Foley
State of)	SS.	2771 Hunter's Forrest Germantown, TN
		(signature)
		(date)
Subscribed and sworn to before me this day	y of, 1	9
County of Boulder) State of Colorado	SS.	Kurt R. Smith 3400 Eldorado Springs Dr. Boulder, CO
My Commission Expires January 12, 1999		(signature) 7 - / 4 - 98 (date)
Subscribed and sworn to before me this Hill day	or July, 19	
County of) State of)	ss.	Daniel Bass 735 K Old County Rd. Belmont, CA 94002
		(signature)
		(date)
Subscribed and sworn to before me this day, Notary Public	of, 19	<u>.</u> .

County of) State of)	SS.	Thomas Wiedenmaier 1089 Annapolis Drive San Mateo, CA 94403
,		(signature)
		(date)
Subscribed and sworn to before me this, Notary Public	day of	, 19
County of) State of)	ss.	Todd Pope Unit A, 871 Industrial Rd San Carlos, CA 94070
		(signature)
		(date)
Subscribed and sworn to before me this, Notary Public	day of	, 19
County of) State of)	SS.	Udo Wiedenmaier Unit A, 871 Industrial Rd. San Carlos, CA 84070
		(signature)
		(date)
Subscribed and sworn to before me this, Notary Public	day of	, 19

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

FHFGD June 97