FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): Matthew R. Selmon, Charles F. Milo, Robert L. Wynne, Name: LuMend, Inc. Suresh S. Pai, Kent D. Dell, Charles S. Gresl, Gerald Hansen, E. Richard Hill III Street Address: 400 Chesapeake Drive Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No City/State/Zip: Redwood City, CA. 94063 Nature of conveyance: Additional name(s) & address(es) attached? Merger ☐ Yes ☒ No FER ? 1 2001 Security Agreement Change of Name Other Execution Date: <u>02/01/2001</u>, <u>02/05/2001</u>, <u>02/06/2001</u> 4. Application number(s) or patent number(s): 09/149,874 If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s): 09/149,874 B. Patent No.(s): Additional numbers attached? \(\square\) Yes \(\square\) No 5. Name and address of party to whom correspondence Total number of applications and patents concerning document should be mailed: involved: [1] Name: Barbara B. Courtney Internal Address: FH 1-2 Total fee (37 CFR 3.41)\$40.00 Wilson Sonsini Goodrich & Rosati 650 Page Mill Road Authorized to be charged to deposit account Palo Alto, CA 94304-1050 Deposit account number: 23-2415 (Attorney Docket No.: 17965-725) DO NOT USE THIS SPACE 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. Barbara B. Courtney Name of Person Signing Total number of pages including cover sheet, attachments, and document: [17]

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PATENT

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AS	SIGNMENT OF APPLICATION		Docket Number 17965-725
Whereas, the undersigned:			
 SELMON, Matthew R. 99 Walnut Avenue Atherton, CA 94027 	 MILO, Charles 101 Atherton Avenue Atherton, CA 94027 	3. WYNNE, Robert L. 340 Esplanade #19 Pacifica, CA 94044	4. PAI, Suresh S. 156 Holly Court Mountain View, CA 94043
 DELL, Kent D. 1131 Grand Street Redwood City, CA 94061 	 GRESL, Charles 121 Topaz Way San Francisco, CA 94131 	7. HANSEN, Gerald 35208 Preston Place Newark, CA 94560	8. HILL III, E. Richard 2430 Oregon Street Berkeley, CA 94705
	we invented certain new and useful in		
М	ETHODS AND APPARATUS FOR	TREATING VASCULAR O	CCLUSIONS
	eation for United States Patent was file eation for a United States Patent was e	=	Application No. <u>09/149,874</u>
94063, (hereinafter termed "Assidisclosed therein, and in and to al (all collectively hereinafter termed)	ignee"), is desirous of acquiring the en	tire right, title and interest in a ofore conceived, made or disco and all patents, inventor's certif	at 400 Chesapeake Drive, Redwood City, CA and to said application and the invention vered jointly or severally by said Inventors ficates and other forms of protection
NOW, THEREFORE, from said Assignee:	in consideration of good and valuable	consideration acknowledged b	y said Inventors to have been received in full
application and said invention; (b Protection of Industrial Property of United States or any foreign coun) in and to all rights to apply for foreig or otherwise; (c) in and to any and all a try, including each and every applicati	n patents on said invention pur applications filed and any and a ion filed and each and every pa	entire right, title and interest (a) in and to said rsuant to the International Convention for the all patents granted on said invention in the itent granted on any application which is a d to each and every reissue or extensions of
enjoy to the fullest extent the righ shall include prompt production of other papers, and other assistance and interest herein conveyed; (b) additional applications covering so other priority proceedings involving patents granted thereon, including	t, title and interest herein conveyed in if pertinent facts and documents, givin all to the extent deemed necessary or for prosecuting any of said application aid invention; (d) for filing and prosecuting said invention; and (f) for legal programment actions and court actions infringement actions and court actions	the United States and foreign of g of testimony, execution of pedesirable by said Assignee (a) as; (c) for filing and prosecuting applications for reissuant ecedings involving said inventional investigations, opposition proceedings	ce of any said patents; (e) for interference or ion and any applications therefor and any ngs, cancellation proceedings, priority
	nd covenants of this assignment shall it ing upon said Inventors, their respectiv		gnee, its successors, assigns and other legal nd assigns.
4. Said Invento assignment, contract, or understar	rs hereby jointly and severally warran ding in conflict herewith.	t and represent that they have t	not entered and will not enter into any
IN WITNESS WHERE	OF, said Inventors have executed and		dd Assignee as of the dates written below:
Date: 2/5/01		MARKE	llum
		Matthew R. Selmon	100
Date:		Charles F. Milo	
Date:		Robert L. Wynne	
Date:		Suresh S. Pai	

	ASSIGNMENT OF APPLICATION	ON	Docket Number 17965-725
	IN WITNESS WHEREOF, said Inventors have executed	d and delivered this instrument to	o said Assignee as of the dates written below:
Date: _		Kent D. Dell	
Date: _			
		Charles S. Gresl	
Date: _		Gerald Hansen	
Date: _		E. Richard Hill, III	
		r. Idollaid IIII, III	

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nereinafter termed "Inventors", hav	re invented certain new and useful imp	provements in	
ME	THODS AND APPARATUS FOR	FREATING VASCULAR O	CCLUSIONS
—	tion for United States Patent was filed ation for a United States Patent was ex-		pplication No. <u>09/149,874</u>
94063, (hereinafter termed "Assig disclosed therein, and in and to all (all collectively hereinafter termed	mee"), is desirous of acquiring the enti	ire right, title and interest in a fore conceived, made or disco nd all patents, inventor's certif	t 400 Chesapeake Drive, Redwood City, CA and to said application and the invention wered jointly or severally by said Inventors icates and other forms of protection
NOW, THEREFORE, in from said Assignee:	n consideration of good and valuable c	onsideration acknowledged by	y said Inventors to have been received in full
1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.			
enjoy to the fullest extent the right shall include prompt production of other papers, and other assistance a and interest herein conveyed; (b) f additional applications covering sa other priority proceedings involving patents granted thereon, including	title and interest herein conveyed in the pertinent facts and documents, giving all to the extent deemed necessary or door prosecuting any of said applications and invention; (d) for filing and prosecuting said invention; and (f) for legal production without limitation reissues and reexant fringement actions and court actions;	the United States and foreign of testimony, execution of per- lesirable by said Assignee (a) as; (c) for filing and prosecuting applications for reissuan executings involving said inventations, opposition proceedings	ce of any said patents; (e) for interference or ion and any applications therefor and any ngs, cancellation proceedings, priority
3. The terms an representatives, and shall be binding	d covenants of this assignment shall in ng upon said Inventors, their respective	ture to the benefit of said Assi e heirs, legal representatives a	gnee, its successors, assigns and other legal nd assigns.
Said Inventor assignment, contract, or understan	s hereby jointly and severally warrant ding in conflict herewith.	and represent that they have i	not entered and will not enter into any
IN WITNESS WHERE	OF, said Inventors have executed and	delivered this instrument to sa	id Assignee as of the dates written below:
Date:		Matthew R. Selmon	1/2/
Date: 2/6/200	<i>21</i>	Charles F. Milo	heffflo
Date:		Robert L. Wynne	
Date:		Suresh S. Pai	

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Data		Kent D. Dell
Date: _		Charles S. Gresl
Date: _		Gerald Hansen
Date:		
_		E. Richard Hill, III

		respond to a concessor of shorts	
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hereinafter termed "Inventors", ha	ave invented certain new and useful im	provements in	
М	ETHODS AND APPARATUS FOR	TREATING VASCULAR O	CCLUSIONS
	cation for United States Patent was file cation for a United States Patent was ex		pplication No. <u>09/149,874</u>
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NOW, THEREFORE, from said Assignee:	in consideration of good and valuable	consideration acknowledged by	y said Inventors to have been received in full
1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.			
2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.			
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.			
4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.			
IN WITNESS WHERI	EOF, said Inventors have executed and	delivered this instrument to sa	id Assignee as of the dates written below:
Date:		Matthew R. Selmon	
Date:		$\overline{}$	· · · · · · · · · · · · · · · · · · ·
Date: 5FEB 200	21	Charles F. Milo Robert L. Wynne	
Date:		Suresh S. Pai	

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	IN WITNESS WHEREOF, said Inventors have executed and de	livered this instrument to said Assignee as of the dates written below:
Date: _		Kent D. Dell
Date: _		Charles S. Gresl
Date: _		Gerald Hansen
Date: _		E. Richard Hill, III

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hereinafter termed "Inventors", have invented certain new and useful impr	rovements in		
METHODS AND APPARATUS FOR T	REATING VASCULAR O	CCLUSIONS	
for which an application for United States Patent was filed for which an application for a United States Patent was exe		pplication No. <u>09/149,874</u>	
WHEREAS, <u>LuMend</u> , <u>Inc.</u> , a corporation of the State of <u>California 94063</u> , (hereinafter termed "Assignee"), is desirous of acquiring the entidisclosed therein, and in and to all embodiments of the invention, heretofe (all collectively hereinafter termed "said invention"), and in and to any an (hereinafter termed "patents") thereon granted in the United States and for	re right, title and interest in a ore conceived, made or disco ad all patents, inventor's certif	nd to said application and the invention vered jointly or severally by said Inventors	
NOW, THEREFORE, in consideration of good and valuable confrom said Assignee:	onsideration acknowledged by	y said Inventors to have been received in full	
1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.			
2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.			
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.			
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Date:	Matthew R. Selmon		
Date:	Charles F. Milo		
Date:	Robert L. Wynne		
Date: 2 1 01	Suresh 6. Pai	5.P.	

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Date:			
		E. Richard Hill, III	

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	on for United States Patent was filed on for a United States Patent was ex-		pplication No. <u>09/149.874</u>
94063, (hereinafter termed "Assigned disclosed therein, and in and to all eml (all collectively hereinafter termed "sa (hereinafter termed "patents") thereon	e"), is desirous of acquiring the enti- bodiments of the invention, heretof- aid invention"), and in and to any ar- granted in the United States and for	tire right, title and interest in an fore conceived, made or discovend all patents, inventor's certification countries.	400 Chesapeake Drive, Redwood City, CA and to said application and the invention vered jointly or severally by said Inventors icates and other forms of protection
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Date:			
	•	Matthew R. Selmon	
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Date:			
		Robert L. Wynne	
Date:		Suresh S. Pai	
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NOW, THEREFORE, i from said Assignee:	n consideration of good and valuable	consideration acknowledged by	y said Inventors to have been received in full
1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.			
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3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.			
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hereinafter termed "Inventors", have	invented certain new and useful imp	provements in			
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for which an application for United States Patent was filed on <u>September 8, 1998</u> , Application No. <u>09/149,874</u> for which an application for a United States Patent was executed on, and					
WHEREAS, <u>LuMend</u> , <u>Inc.</u> , a corporation of the State of <u>California</u> , having a place of business at <u>400 Chesapeake Drive</u> , <u>Redwood City</u> , <u>CA 94063</u> , (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.					
NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:					
1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.					
2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.					
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.					
4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.					
IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:					
Date:		Matthew R. Selmon			
_		Maunew R. Semion			
Date:		Charles F. Milo			
Date:		Robert L. Wynne			
Date:		Suresh S. Pai			

ASSIGNMENT OF APPLICATION		Docket Number 17965-725		
	IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:			
Date: _		Kent D. Dell		
Date:				
Date: _	02-05-01	Charles S. Gresl Gerald Hansen		
Date:		E. Richard Hill, III		

PTO/SB/15 (8-96)

Approved for use through 9/30/98. OMB 0651-0027

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ASSIGNMENT OF APPLICATION			Docket Number 17965-725		
Whereas, the undersigned:					
SELMON, Matthew R. 99 Walnut Avenue Atherton, CA 94027	2. MILO, Charles 101 Atherton Avenue Atherton, CA 94027	3. WYNNE, Robert L. 340 Esplanade #19 Pacifica, CA 94044	4. PAI, Suresh S. 156 Holly Court Mountain View, CA 94043		
5. DELL, Kent D. 1131 Grand Street Redwood City, CA 94061	6. GRESL, Charles 121 Topaz Way San Francisco, CA 94131	7. HANSEN, Gerald 35208 Preston Place Newark, CA 94560	8. HILL III, E. Richard 2430 Oregon Street Berkeley, CA 94705		
hereinafter termed "Inventors", have	invented certain new and useful impr	rovements in			
MET	THODS AND APPARATUS FOR T	REATING VASCULAR O	CCLUSIONS		
	ion for United States Patent was filed of ion for a United States Patent was exe		pplication No. <u>09/149,874</u>		
WHEREAS, <u>LuMend, Inc.</u> , a corporation of the State of <u>California</u> , having a place of business at <u>400 Chesapeake Drive, Redwood City, CA 94063</u> , (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.					
NOW, THEREFORE, in from said Assignee:	consideration of good and valuable co	onsideration acknowledged by	said Inventors to have been received in full		
1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.					
2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.					
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.					
4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.					
IN WITNESS WHEREC	F, said Inventors have executed and d	delivered this instrument to sa	id Assignee as of the dates written below:		
Date:		Matthew R. Selmon			
Date:		Charles F. Milo			
Date:		Robert L. Wynne			
Date:		Suresh S. Pai			

ASSIGNMENT OF APPLICATION	Docket Number 17965-725			
IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:				
Date: Kent D. Dell				
Date: Charles S. Gr	resl			
Date:Gerald Hanse	1 7.621			
Date:	ichard Higher			

RECORDED: 02/21/2001