U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

RE.

02-24-2004

EET

(Rev. 3-01) 102676326 OMB No. 0651-0027 (exp. 5/31/02) Attorney Docket: 2003P09374US To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Rickard C. LOFTMAN, Karen 2. Name and address of receiving party(ies) E. MORGAN, Erkan MUMCUOGLU, Kutay F. USTUNER, and Zoran BANJANIN Name: Siemens Medical Solutions USA, Inc. Internal Address: Address: 51 Valley Stream Parkway, Malvern, PA 19355-1406 Additional name(s) of conveying party(ies) attached? 3. Nature of conveyance: Additional name(s) & address(es) attached? \_\_\_ Yes \_\_X No \_x\_ Assignment Merger Security Agreement Change of Name Other OPR/FIHANCE Execution Date(s): 1/28/04, 1/14/04, 9/19/03, 1/8/04, 2/7/04 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/668,915 B. Patent No.(s) Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: \_1 concerning document should be mailed: Name: Elsa Keller 7. Total Fee (37 CFR 3.41) . . . . . . . . \$ 40.00 Internal Address: **Enclosed** X Authorized to be charged to deposit account Siemens Corporation 8. Deposit Account No. 19-2179 Intellectual Property Department Street Address: 170 Wood Avenue South City: Iselin\_\_\_ State: NJ DO NOT USE THIS SPACE Statement and signature 02/23/8004 LMELLER 00000096 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. Heather Mueller, Reg. No. 39,033 Name of Person Signing Total number of pages including cover sheet, attachments, and document:

**PATENT** 

#### **ASSIGNMENT**

For good and valuable consideration, we, Rickard C. Loftman, Karen E. Morgan, Erkan Mumcuoglu, Kutay F. Ustuner, and Zoran Banjanin

Hereby sell, assign and transfer to SIEMENS MEDICAL SOLUTION USA, INC., a corporation of the State of Delaware, having a principal place of business at 51 Valley Stream Parkway, Malvern, PA, 19355-1406, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent being executed concurrently and entitled:

#### TRANSMIT BASED AXIAL WHITENING

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Page 1

PATENT REEL: 014992 FRAME: 0203

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

## **ACKNOWLEDGEMENTS**

		Rickard C. Loftman
State of	)	
	) ss.:	
County of	)	
On this day o	f	, 2004, before me,,
proved to me on t is/are subscribed executed the same	he basis of sat to the within in the in his/her/the e instrument the	red Rickard C. Loftman, personally known to me <b>-OR</b> -isfactory evidence to be the person(s) whose name(s) is naturally astrument and acknowledged to me that he/she/they ir authorized capacity(ies), and that by his/her/their ne person(s), or the entity upon behalf of which the strument.
WITNESS my ha	nd and official	seal.
Signature of Nota	rv Public	

## ACKNOWLEDGEMENTS

Karen E. Morgan

Witness No. 1:

By: Statum Cycp

Printed Name: She show & Compe

Date: 2/17/04

Witness No. 2:

By: Volu Vonduto

Printed Name: Visik WARBURION

Date: 2 17 74

	Erkan Mumcuoglu
Witness No. 1:	
Ву:	Date:
Printed Name:	
Witness No. 2:	
By:	Date:
Printed Name:	

		Kutay F. Ustuner
State of	)	
	) ss.:	
County of	)	
On this day o	of	2004, before me,,
• • •	• • •	red Kutay F. Ustuner, personally known to me <b>-OR</b> -sfactory evidence to be the person(s) whose name(s
is/are subscribed executed the sam	to the within in the in his/her/thei the instrument the	strument and acknowledged to me that he/she/they r authorized capacity(ies), and that by his/her/their e person(s), or the entity upon behalf of which the
WITNESS my ha	and and official	seal.
C) CNI	D 11'	
Signature of Nota	ary Public	

			Zoran Banjanin
State of		)	
County of		) ss.: )	
On this	_day of		2004, before me,,
proved to it is/are subset executed the signature(s	me on the cribed to the same in the in	basis of sation the within in his/her/thei	red Zoran Banjanin, personally known to me <b>-OR</b> -sfactory evidence to be the person(s) whose name(s) strument and acknowledged to me that he/she/they ir authorized capacity(ies), and that by his/her/their e person(s), or the entity upon behalf of which the trument.
WITNESS	my hand	and official	seal.
Signature of	of Notary	Public	

#### **ASSIGNMENT**

For good and valuable consideration, We, Rickard C. Loftma	an, a citizen of
the United States, residing at 506 Concord Drive, Menlo Park, CA	94025; Karen
E. Morgan, a citizen of the United States, residing at 2212 San An	tonio PI, Santa
Clara, CA 95051; Erkan Mumcuoglu, a citizen of	, residing at
; Kutay F. Ustuner, a citizen	of the Turkish
Republic, residing at 602 Church Street, Mountain View, California	ı 94041; and
Zoran Banjanin, a citizen of the Unites States, residing at 7913 12	7 <sup>th</sup> Ave. SE,
New Castle, WA 98056,	

Hereby sell, assign and transfer to **SIEMENS MEDICAL SOLUTIONS USA, INC.,** a corporation of the State of Delaware, having a principal place of business at 51 Valley Stream Parkway, Malvern, PA 19355-1406, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent being executed concurrently and entitled:

#### TRANSMIT BASED AXIAL WHITENING

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or

Page 1

legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**ACKNOWLEDGEMENTS** 

Rickard C. Loftman

State of CALIFORNIA

ss ·

County of SANTA CLARA)

On this 19 day of SCPTEMBER 2003, before me, SIMMENS, Notary Public, personally appeared Rickard C. Loftman, personally known to me -OR-preved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

May aut any Signature of Notary Public mman

MARGARET ANN SIMMONS
COMM. NO. 1338367
NOTARY PUBLIC - CALIFORNIA 20
SANTA CLARA COUNTY
COMM. EXPIRES FEB. 6, 2006

# **ACKNOWLEDGEMENTS**

		Karen E. Morga	an	
State of County of	) )ss.: )			
On this day of personally appeared <u>Ka</u> satisfactory evidence to acknowledged to me the the instrument the personal	aren E. Morgan, be the person vat she executed	personally known to n whose name is subscr I the same in her autho	ne -OR- proved to me ribed to the within inst orized capacity, and t	on the basis of rument and hat by her signature on
WITNESS my hand and	d official seal.			
Signature of Notary Pub	Dlic			
		ACKNOWL	EDGEMEN	<u>T S</u>
		Erkan Mumcuo	glu	
State of County of	) ) ss.: )			
On this day of personally appeared <u>Erl</u> satisfactory evidence to acknowledged to me that by his/her/their signature person(s) acted, execut	kan Mumcuogiu be the person(sat he/she/they ee(s) on the instr	, personally known to s) whose name(s) is/a executed the same in h ument the person(s), o	me <b>-OR-</b> proved to m re subscribed to the v nis/her/their authorized	e on the basis of vithin instrument and d capacity(ies), and that
WITNESS my hand and	f official seal.			
Signature of Notary Pub	olic			

Page 3

# **ACKNOWLEDGEMENTS**

		may c		
		Kutay F. Ustur	ner	
State of California	)	,		
State of California County of Santa Claro	)ss.: ( )	d		
On this aday of personally appeared Ku satisfactory evidence to acknowledged to me the signature on the instruments.	Muary 2 utay F. Ustuner, pobe the person wat he executed the	vhose name is subs he same in his/her/tl	cribed to the within heir authorized cap	instrument and
witness my hand and	ayofficial seal.			RAQUEL C. WEST Commission # 1261296 Notary Public - California Santa Clara County Ay Comm. Expires Apr 20, 2004
Signature of Notary Put	olic			
		A C K N O W		NTS
State of	)			
County of	) ss.: )			
the instrument the person	oran Banjanin, pe be the person wat he executed the on, or the entity u	hose name is subso ne same in his autho	ne -OR- proved to recribed to the within orized capacity, and	
WITNESS my hand and	d official seal.			
Signature of Notary Pub	olic		-	

Page 4

### **ASSIGNMENT**

For good and valuable consideration, we, Rickard C. Loftman, Karen E. Morgan, Erkan Mumcuoglu, Kutay F. Ustuner, and Zoran Banjanin

Hereby sell, assign and transfer to SIEMENS MEDICAL SOLUTION USA, INC., a corporation of the State of Delaware, having a principal place of business at 51 Valley Stream Parkway, Malvern, PA, 19355-1406, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent being executed concurrently and entitled:

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and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Page 1

PATENT REEL: 014992 FRAME: 0213

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

## **ACKNOWLEDGEMENTS**

		Rickard C. Loftman	
State of	)		
	) ss.:		
County of	)		
On this day of		2004, before me,	, Notary
		ard C. Loftman, personally known to	
me on the basis of	satisfactory ev	vidence to be the person(s) whose nar	me(s) is/are
subscribed to the w	ithin instrume	ent and acknowledged to me that he/s	she/they executed
		ed capacity(ies), and that by his/her/t	• , ,
-	. , , .	he entity upon behalf of which the pe	erson(s) acted,
executed the instru	ment.		
WITNESS my hand	d and official	seal.	
•			
Signature of Notar	v Public		

		Karen E. Morgan	
State of	)		
County of	) ss.: )		
Public, personally a on the basis of satist the within instrume his/her/their authori	ppeared Karer factory eviden ent and acknown zed capacity(ion	2004, before me,	e -OR- proved to me is/are subscribed to secuted the same in e(s) on the instrument
WITNESS my hand	l and official s	seal.	
Signature of Notary	Public		

		Erkan Mumcuoglu	
State of	)		
	) ss.:		
County of	)		
On this day of		2004, before me,	, Notary
		Mumcuoglu, personally known to	
	•	dence to be the person(s) whose n	
		nt and acknowledged to me that he	_
		d capacity(ies), and that by his/he entity upon behalf of which the	` '
executed the instrum	` / /	e entity upon behan of which the	person(s) acteu,
WITNESS my hand	and official so	eal.	
Signature of Notary	Public		

	Kutay F. Ustuner	
State of	)	
) ss.:		
County of )		
On this day of	2004, before me,	, Notary
Public, personally appeared	Kutay F. Ustuner, personally known to:	me -OR- proved to
me on the basis of satisfacte	ory evidence to be the person(s) whose n	ame(s) is/are
subscribed to the within ins	strument and acknowledged to me that he	:/she/they executed
the same in his/her/their au	thorized capacity(ies), and that by his/her	r/their signature(s) on
the instrument the person(s	), or the entity upon behalf of which the p	person(s) acted,
executed the instrument.		
WITNESS my hand and of	ficial seal.	
Signature of Notary Public		

State of Washington)
State of Washington
State of Washington
State of Washington

On this 14 day of January 2004, before me, Linda W. Garcia, Notary Public, personally appeared Zoran Banjanin, personally known to me -OR- proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.





DEVİR

28 OCAK 2004

Bizler, Rickard C. Loftman, Karen E. Morgan, Erkan Mumcuoğlu, Kutay F. Üstüner ve Zoran Benjamin

Delaware Eyaletindeki bir şirket olup, 51 Valley Stream Parkway, Malvern, PA, 19355-1406 adresinde şirket merkezi bulunan SIEMENS MEDICAL SOLUTION USA, INC. 'ye (bundan sonra "Devralan" olarak belirtilecektir), halefleri, atadıkları ve yasal temsilcilerine ABD ve tüm yabancı ülkeler için

#### TRANSMIT BASED AXIAL WHITENING

başlıklı, sonuçlandırılmakta olan ABD Patent başvurusunda açıklanan tüm gelişmeleri ve belirtilen geliştirmelere ilişkin olarak Patent için ABD ve diğer yabancı ülkelerde yapılmış ya da yapılacak olan tüm bölünen, devam eden, yerine geçen, yenilenen, yeniden yayınlanan ve diğer tüm başvuruları ile ilgili tüm hakları, tasarruf yetkilerini ve menfaatleri satıyor ve devrediyoruz;

Belirtilen Devralan kendi adına belirtilen geliştirmeler için Patent alabilir ve talep edildiğinde belirtilen Devralan, halefleri, atadıkları ve yasal temsilcilerinin hesabına işbu anlaşmanın amacı ve niyetine ilişkin olarak aşağıda imzası bulunanlar belirtilen geliştirmeler ile ilgili tüm bölünmeleri, devam eden, yerine geçen, yenilenen, yeniden yayınlanan ve diğer tüm başvuruları masrafları Devralan tarafından karşılanacak şekilde tamamlayacaklar; tüm yeminli beyanları, devrileri, vekaletnameleri ve diğer belgeleri tamamlayacaklar; belirtilen geliştirmeler ve geçmişi ile ilgili tüm bilgileri Devralana, halefleri, atadıkları ve yasal temsilcilerine iletecekler ve genel olarak Devralan, halefleri, atadıkları ya da yasal temsilcilerinin belirtilen geliştirmeler ile ilgili uygun patent korumayı sürdürmeleri ve belirilen geliştirmelerin mülkiyetinin verilmesi ve patentler için tüm başvuruları yapabilmeleri için gerekli her şeyi yapacaktır; ve

Belirtilen Devralan, halefleri, atadıkları ve yasal temsilcilerine aşağıda imzası bulunanlar burada belirtilen mülkiyet ve haklarlını etkileyen hiçbir devir, tevdii, ipotek, lisans ya da digen

CASEN VILLIAM SERGUME BURDSU
Atstürk Susvan No. 103/46 Kat. 7. Kizilay
Tel: 417.96.57 \* Fax. 417.95.57. ANKARA
Çankaya Vargi Dairesi 147.026. 1349

YAVUZ ALTUN

# **№03023**

anlaşmanın yapılmadığı taahhüt edilmiş ve devir ile ilgili tüm hakların kendilerinde olduğunu taahhüt etmişlerdir.

Erkan Mumcuoğlu

28 OCAK 2004

Eyalet ) Ankara

Ülke ) Torkiye

2004 yılının Ocak ayının 28. günü ben Noter Yavuz Altun huzurunda tarafımdan bilinen - YA DA - belgede adı geçen kişi olduğu konusunda bana veterli kanıt sunan Erkan Mumcuoğlu hazır bulunmuş ve işbu belgeyi yetkisi dahilinde imzaladığı bu belgeyi kendisi ya da belgeyi imzalamaya yetkili hükmi şahıslar adına imzalamaya yetkili olduğunu belirtmiştir.

İmzaliyor ve mührümle onaylıyorum.

Noterin İmzası

Başer yıldırım tercume bürdeu Atatürk Bulvan No :103/46 Kat: 7 Kızılay Tel: 417 95 57 • Fax: 417 96 57 ANKARA Çankaya (1974) Dairesi 147 026 1649

Time Color TARAHIMDAN. SLINA SADIK KALIMARAK CEVRILMISTI MUTERCIM

İŞBU ÇEVIRININ DAIREMİZDE KIMLIĞI SA YEMINLI TERCÜMANIMIZ Gökhan Abau JARAFINDAN INDILIZATION DA

ONAYLARIM.

ANKARA 34. NOTER AKIF HIZA Yerine Başkatıp YAVUZ ALT

#### **ASSIGNMENT**

2 8 OCAK 2004

For good and valuable consideration, we, Rickard C. Loftman, Karen E. Morgan, Erkan Mumcuoglu, Kutay F. Ustuner, and Zoran Banjanin

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BAŞER VILDIRIM FERGÜNGE BÜROSU Atatürk Bulvarı No :103/46 Kat: 7 Kızılay Tel: 417 95 57 • Fax: 417 98,57 ANKANA Çankaya Vergi Dairesi: 14 1649

# **№03023**

Attorney Docket: 2003P09374US

28 OCAK 2004

State of	Ankara	7, Turkey )			
County of	Çankaya	()			
Public, per me on the subscribed the same in	sonally a basis of s to the win his/her/hent the p	ppeared Erkan atisfactory evidithin instrumentheir authorized person(s), or the	2004, before me,	wknown to me -OF ) whose name(s) is me that he/she/they by his/her/their sig	R- proved to /are / executed gnature(s) or
WITNESS	my hand	l and official se	eal.		
Signature of	of Notary	Public		Property	

Erkan Mumcuoglu

BAŞER YILDIRIM YENGUME BÜROSU Atatürk Bulvarı No :103/46 Kat: 7 Kızılay Tel: 417 95 57 • Fax: 417 96 57 ANKABA Çankaya Vergi Dairson 147 026 1149

**RECORDED: 02/20/2004** 



PATENT REEL: 014992 FRAME: 0222