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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Richard Scott Huennekens	08/08/2006
Vincent J. Burgess	10/12/2006
Marja Pauliina Margolis	10/12/2006
Blair D. Walker	08/09/2006
Jon D. Klingensmith	07/31/2006
Nancy Perry Pool	07/27/2006
Randall Kent Hanson	07/27/2006

RECEIVING PARTY DATA

Name:	Volcano Corporation
Street Address:	2870 Kilgore Road
City:	Rancho Cordova
State/Country:	CALIFORNIA
Postal Code:	95670

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11473974

CORRESPONDENCE DATA

Fax Number: (312)616-5700

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 3126165600

Email: assignments@leydig.com
Correspondent Name: Leydig, Voit & Mayer, Ltd.

Address Line 1: 180 N. Stetson
Address Line 2: Suite 4900

Address Line 4: Chicago, ILLINOIS 60601

ATTORNEY DOCKET NUMBER: 253234

PATENT

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NAME OF SUBMITTER:	Mark Joy
Total Attachments: 16	
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PATENT Attorney Docket No. 253234 Client Reference No. 4020 US

Leydig, Voit & Mayer, Ltd. Two Prudential Plaza, Suite 4900 180 North Stetson Avenue Chicago, Illinois 60601-6780

ASSIGNMENT

WHEREAS, WE, Richard Scott Huennekens of 13557 Penfield Point, San Diego, California 92130; Vincent J. Burgess of 7516 Garden Court, San Diego, California 92127; Marja Pauliina Margolis of 20 Tahiti Beach Island Road, Coral Gables, Florida 33143; Blair D. Walker, of 24742 San Doval Lane, Mission Viejo, California 92691, Jon D. Klingensmith of 2635 King Richard Drive, El Dorado Hills, CA 95762, Nancy Perry Pool of 1325 Montridge Court, El Dorado, Hills, CA 95762, and Randall Kent Hanson of 10 Bluefeather Ct., Sacramento, CA 95834, respectively, have invented and own a certain invention entitled:

THREE DIMENSIONAL CO-REGISTRATION FOR INTRAVASCULAR DIAGNOSIS AND THERAPY

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on June 23, 2006, under U.S. Application No. 11/473,974, and

WHEREAS, Volcano Corporation, of 2870 Kilgore Road, Rancho Cordova, California 95670, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, Therefore, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the abovementioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other

writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have her	eunder set our hands on the dates shown below.
Date Aug 8, 2006 R	ichard fott Tuenneher
STATE OF <u>California</u>	
COUNTY OF <u>Sacramento</u>)	
Public in and for said county, appeared Ric me to be the same person whose name is su	hard Scott Huennekens, who is personally known to bscribed to the foregoing assignment document, and ered the document as his/her free and voluntary act
Notary Public - California Sacramento County My Comm. Expires Sep 28, 2008	My Commission Expires: Sept 28, 2008
Date	Vincent J. Burgess
STATE OF)	
COUNTY OF	
the same person whose name is subscri	before me, a Notary cent J. Burgess, who is personally known to me to be ibed to the foregoing assignment document, and ered the document as his/her free and voluntary act
{SEAL}	Notary Public
	My Commission Expires:

Date	Marja Pauliina Margolis
	Ivialja Fautinia iviai gons
STATE OF)	
COUNTY OF	
to be the same person whose name is sul	rja Pauliina Margolis, who is personally known to me oscribed to the foregoing assignment document, and wered the document as his/her free and voluntary act
{SEAL}	Notary Public
(DELLE)	-My Commission Expires:
Date_ Agust 9, 2006	Blair D. Walker
STATE OF Colifornia	
COUNTY OF <u>Sacramento</u>	•
the same person whose name is subsc	lair D. Walker, who is personally known to me to be ribed to the foregoing assignment document, and vered the document as his/her free and voluntary act
MARY P. MADUELL Commission # 1516246 Notary Public - California Sacramento County	May f. Mallicole Notary Public My Commission Expires: Sept 28,2008

Date Jon D. Klingensmith STATE OF _____ COUNTY OF ____ On this _____ day of ______, _____, before me, a Notary Public in and for said county, appeared Jon D. Klingensmith, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth. Notary Public {SEAL} My Commission Expires: Nancy Perry Pool STATE OF _____ COUNTY OF ____ On this _____ day of ______, _____, before me, a Notary Public in and for said county, appeared Nancy Perry Pool, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth. Notary Public {SEAL} My Commission Expires:

Date	Randall Kent Hanson
STATE OF) COUNTY OF)	
On this day of Public in and for said county, appeared Rand be the same person whose name is subsc	dall Kent Hanson, who is personally known to me to ribed to the foregoing assignment document, and ered the document as his/her free and voluntary act
{SEAL}	Notary Public My Commission Expires:

PATENT Attorney Docket No. 253234 Client Reference No. 4020 US

Leydig, Voit & Mayer, Ltd. Two Prudential Plaza, Suite 4900 180 North Stetson Avenue Chicago, Illinois 60601-6780

ASSIGNMENT

WHEREAS, WE, Richard Scott Huennekens of 13557 Penfield Point, San Diego, California 92130; Vincent J. Burgess of 7516 Garden Court, San Diego, California 92127; Marja Pauliina Margolis of 20 Tahiti Beach Island Road, Coral Gables, Florida 33143; Blair D. Walker, of 24742 San Doval Lane, Mission Viejo, California 92691, Jon D. Klingensmith of 2635 King Richard Drive, El Dorado Hills, CA 95762, Nancy Perry Pool of 1325 Montridge Court, El Dorado, Hills, CA 95762, and Randall Kent Hanson of 10 Bluefeather Ct., Sacramento, CA 95834, respectively, have invented and own a certain invention entitled:

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WHEREAS, Volcano Corporation, of 2870 Kilgore Road, Rancho Cordova, California 95670, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, Therefore, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the abovementioned Assignee agreeably with the terms of this assignment document.

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WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other

writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date	
	Richard Scott Huennekens
STATE OF)
COUNTY OF	}
me to be the same person whose nat	red Richard Scott Huennekens, who is personally known to me is subscribed to the foregoing assignment document, and delivered the document as his/her free and voluntary act forth.
(GPAT)	Notary Public
{SEAL}	My Commission Expires:
Date	
Date	Vincent J. Burgess
STATE OF	_)
COUNTY OF	<u>_</u> j
the same person whose name is	red Vincent J. Burgess, who is personally known to me to be subscribed to the foregoing assignment document, and delivered the document as his/her free and voluntary act forth.
	Notary Public
{SEAL}	My Commission Expires:

Date	Marja Pauliina Margolis
STATE OF	
COUNTY OF	
to be the same person whose name is su	rja Pauliina Margolis, who is personally known to me bscribed to the foregoing assignment document, and vered the document as his/her free and voluntary act
{SEAL}	Notary Public
and instead, but find	My Commission Expires:
Date	Blair D. Walker
STATE OF	
COUNTY OF)	
the same person whose name is subst	Blair D. Walker, who is personally known to me to be cribed to the foregoing assignment document, and ivered the document as his/her free and voluntary ac
(CDAI)	Notary Public
{SEAL}	My Commission Expires:
parks yound all all found in	

In re Appln. of Huennekens et al. Attorney Docket No. 253234	
Date 7/21/06	Ion D/Klingensmith
STATE OF California	
COUNTY OF SACYANULTO	
be the same person whose name is subscr	, 2006, before me, a Notary D. Klingensmith, who is personally known to me to ibed to the foregoing assignment document, and red the document as his/her free and voluntary act
(SEAL) MARY P. MADUELL Commission # 1516246 Notary Public - California Sacramento County My Comm. Expires Sep 28, 200	May F. Maduell Notary Public W Commission Expires: Sop+ 28, 2008
Date7/21/04	Makey Perry Paol Nancy Perry Pool
STATE OF California	·
COUNTY OF <u>Sacranuato</u>	•
the same person whose name is subscrib	y Perry Pool, who is personally known to me to be need to the foregoing assignment document, and red the document as his/her free and voluntary act
MARY P. MADUELL	Motary Public My Commission Expires: Sept 28, 2008
(SEAS LAND Commission # 1516246 Notary Public - California Sacramento County My Comm. Expires Sep 28, 2008	My Commission Expires: Sept 28, 2008

Attorney Docket No. 253234 July Kont Ho Randall Kent Hanson STATE OF <u>California</u>) COUNTY OF <u>Sacramento</u> On this 27th day of Tuly ,2006, before me, a Notary Public in and for said county, appeared Randall Kent Hanson, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth. {SEAL} My Commission Expires: Sept MARY P. MADUELL Commission # 1516246 Notary Public - California Sociomento County My Comm. Expires Sep 28, 2008

In re Appln. of Huennekens et al.

PATENT Attorney Docket No. 253234 Client Reference No. 4020 US

Leydig, Voit & Mayer, Ltd. Two Prudential Plaza, Suite 4900 180 North Stetson Avenue Chicago, Illinois 60601-6780

ASSIGNMENT

WHEREAS, WE, Richard Scott Huennekens of 13557 Penfield Point, San Diego, California 92130; Vincent J. Burgess of 7516 Garden Court, San Diego, California 92127; Marja Pauliina Margolis of 20 Tahiti Beach Island Road, Coral Gables, Florida 33143; Blair D. Walker, of 24742 San Doval Lane, Mission Viejo, California 92691, Jon D. Klingensmith of 2635 King Richard Drive, El Dorado Hills, CA 95762, Nancy Perry Pool of 1325 Montridge Court, El Dorado, Hills, CA 95762, and Randall Kent Hanson of 10 Bluefeather Ct., Sacramento, CA 95834, respectively, have invented and own a certain invention entitled:

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WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other

writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

In WITNESS WHEREOF, we have he	reunder set our hands on the dates shown below.
Date 10-12-06	Richard Scott Huennekens
STATE OF	
COUNTY OF	
me to be the same person whose name is so	chard Scott Huennekens, who is personally known to abscribed to the foregoing assignment document, and wered the document as his/her free and voluntary act
{SEAL}	Notary Public My Commission Expires:
Date 18.92.84	Vincent J. Burgess
STATE OF	•
COUNTY OF	
the same person whose name is subscr	before me, a Notary cent J. Burgess, who is personally known to me to be tibed to the foregoing assignment document, and wered the document as his/her free and voluntary act
	Notary Public
{SEAL}	My Commission Expires:

In re Appln. of Huennekens et al. Attorney Docket No. 253234	
Date 10-12-2006	Marja Pauliina Margolis
STATE OF)	
COUNTY OF)	
to be the same person whose name is sub	ja Pauliina Margolis, who is personally known to me scribed to the foregoing assignment document, and ered the document as his/her free and voluntary ac
{SEAL}	Notary Public
	My Commission Expires:
Patrice Activity to the particular constraints of the Constraints of t	are linear about any count and a basis build no articular.
Date	•
	Blair D. Walker
STATE OF)	
COUNTY OF	
the same person whose name is subscr	air D. Walker, who is personally known to me to be ibed to the foregoing assignment document, and rered the document as his/her free and voluntary ac
{SEAL}	Notary Public
	My Commission Expires:

Jon D. Klingensmith STATE OF ____ COUNTY OF On this _____ day of _____, ___, before me, a Notary Public in and for said county, appeared Jon D. Klingensmith, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth. Notary Public {SEAL} My Commission Expires: Date Nancy Perry Pool STATE OF _____ COUNTY OF ____ On this _____ day of ______, before me, a Notary Public in and for said county, appeared Nancy Perry Pool, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth. Notary Public {SEAL} My Commission Expires:

Date	Randall Kent Hanson
STATE OF	
COUNTY OF	
be the same person whose name is subsc	, before me, a Notary dall Kent Hanson, who is personally known to me to ribed to the foregoing assignment document, and ered the document as his/her free and voluntary act
{SEAL}	Notary Public My Commission Expires:

OFFICIAL CALIFORNIA NOTARIAL CERTIFICATE

CERTIFICATE OF ACKNOWLEDGMENT

State of <u>California</u>
County of San Diego
On OCTOBER 12, 2006 before me, Wendy Zamutt Notary Public,
Personally appeared Richard Scott HUENNEKENS, VINCENT
J. BURGESS AND MARJA PAULIINA MARGOLIS
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/he/their authorized capacity(ies), and that by his/he/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. WENDY ZAMUTT Comm. #1453838 WENDY ZAMUTT Comm. #1453838 WENDY ZAMUTT Comm. #1453838 WY Comm. #1453838 WY Comm. #25288 WY Comm. #252888 WY Comm.
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Signature of Notary Public OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. DESCRIPTION OF ATTACHED DOCUMENT
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Signature of Notary Public OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. DESCRIPTION OF ATTACHED DOCUMENT Document Date: 10-12-06 Number of Pages: 5
Signature of Notary Public OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. DESCRIPTION OF ATTACHED DOCUMENT Document Date: 10-12-04 Number of Pages: 5 Title or Type of Document: PATENT ASSIGNMENT VOLCANO CORP. Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Signer's Name:
Signature of Notary Public OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. DESCRIPTION OF ATTACHED DOCUMENT Document Date: /O-(2-06 Number of Pages: 5 Title or Type of Document: PATENT ASSIGNMENT / VOLCANO CORS. Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Signer's Name: Individual
Signature of Notary Public OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. DESCRIPTION OF ATTACHED DOCUMENT DOCUMENT DOCUMENT DOCUMENT Number of Pages: 5 Title or Type of Document: PATENT ASSIGNMENT VOLCANO CORF. Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Signer's Name: Individual Corporate Officer —Title(s):
Signature of Notary Public OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. DESCRIPTION OF ATTACHED DOCUMENT Document Date: \[\lambda - \lambda - \lambda - \lambda \in \lambda \] Title or Type of Document: \[\lambda \lambda - \lambda \in
Signature of Notary Public OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. DESCRIPTION OF ATTACHED DOCUMENT Document Date: /0-/2-06 Number of Pages: 5 Title or Type of Document: PATENT ASSIGNMENT/ VOLCANO CORF. Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Capacity(ies) Claimed by Signer Signer's Name: Individual Capacity Corporate Officer - Title(s): Partner/Limited/General Attorney in Fact
Signature of Notary Public OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. DESCRIPTION OF ATTACHED DOCUMENT Document Date: \(\frac{10 - 2 - 0 \cdot \text{ Number of Pages: 5}}{\text{Title or Type of Document: }} \) Title or Type of Document: \(\frac{1}{2} - \text{TENT } \) AS \$16NMENT \(\frac{1}{2} \) Vol CANO CORF. Signer(s) Other Than Named Above: \(\text{Capacity(ies) Claimed by Signer Signer's Name: } \) Individual Corporate Officer -Title(s): \(\text{Top of thurb here} \) Partner/Limited/General Attorney in Fact Trustee
Signature of Notary Public OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. DESCRIPTION OF ATTACHED DOCUMENT Document Date: /0-/2-06 Number of Pages: 5 Title or Type of Document: PATENT ASSIGNMENT/ VOLCANO CORF. Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Capacity(ies) Claimed by Signer Signer's Name: Individual Capacity Corporate Officer - Title(s): Partner/Limited/General Attorney in Fact

PATENT REEL: 018411 FRAME: 0435

RECORDED: 10/19/2006