**PATENT ASSIGNMENT**

Electronic Version v1.1  
Stylesheet Version v1.1

<table>
<thead>
<tr>
<th>SUBMISSION TYPE:</th>
<th>NEW ASSIGNMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATURE OF CONVEYANCE:</td>
<td>ASSIGNMENT</td>
</tr>
</tbody>
</table>

**CONVEYING PARTY DATA**

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anuja Nair</td>
<td>06/26/2008</td>
</tr>
<tr>
<td>D. Geoffrey Vince</td>
<td>07/09/2008</td>
</tr>
<tr>
<td>Jon D. Klingensmith</td>
<td>05/27/2008</td>
</tr>
</tbody>
</table>

**RECEIVING PARTY DATA**

<table>
<thead>
<tr>
<th>Name:</th>
<th>Volcano Corporation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address:</td>
<td>2870 Kilgore Road</td>
</tr>
<tr>
<td>City:</td>
<td>Rancho Cordova</td>
</tr>
<tr>
<td>State/Country:</td>
<td>CALIFORNIA</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>95670</td>
</tr>
</tbody>
</table>

**PROPERTY NUMBERS Total: 1**

<table>
<thead>
<tr>
<th>Property Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Number</td>
<td>11580342</td>
</tr>
</tbody>
</table>

**CORRESPONDENCE DATA**

- Fax Number: (312)616-5700
- 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:** 260901

**NAME OF SUBMITTER:** Mark Joy

Total Attachments: 10

source=260901assignment#page1.tif

500923011

PATENT
REEL: 023022 FRAME: 0752
ASSIGNMENT

WHEREAS, WE, Anuja Nair, Barry D. Kuban, D. Geoffrey Vince and Jon D. Klingensmith, of 4204 Ridgwood Road, Copley, Ohio 44321; 427 Moorewood Avenue, Avon Lake, Ohio 44012; 300 Williamsburg Drive, Avon Lake, OH 44012 and 2635 King Richard, El Dorado Hills, CA 95762, respectively, have invented and own a certain invention entitled:

SYSTEM AND METHOD FOR CHARACTERIZING VASCULAR TISSUE

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on October 14, 2006, under U.S. Application No. 11/580,342, and

WHEREAS, Volcano Corporation, of 2870 Kilgore Road, Sacramento, CA 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 above-mentioned 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
In re Appln. of Nair et al.
Attorney Docket No. 260901

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 ___________________________ ___________________________

STATE OF ________________________ )

COUNTY OF _______________________

On this ______ day of ________________________ , ______, before me, a Notary Public in and for said county, appeared Anuja Nair, 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 ___________________________ ___________________________

STATE OF ________________________ )

COUNTY OF _______________________

On this ______ day of ________________________ , ______, before me, a Notary Public in and for said county, appeared Barry D. Kuban, 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: ________________________
In re Appln. of Nair et al.  
Attorney Docket No. 260991

Date __________________________  
D. Geoffrey Vince

STATE OF ________________________  
COUNTY OF _______________________

On this ____________ day of ______________________, before me, a Notary Public in and for said county, appeared D. Geoffrey Vince, 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  
My Commission Expires: ______________________

{SEAL}

Date 5/27/08  
John D. Klingensmith

State of California  
County of __Sacramento__

On May 27, 2008, before me, Mamta Vats, Notary Public, personally appeared ___________________________________________________________________, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature ___________________________________________________________________

Mamta Vats  
COMM. # 1772230  
NOTARY PUBLIC - CALIFORNIA  
SACRAMENTO COUNTY  
ASSIGNMENT

WHEREAS, WE, Anuja Nair, Barry D. Kuban, D. Geoffrey Vince and Jon D. Klingensmith, of 4204 Ridgewood Road, Copley, Ohio 44321; 427 Moorewood Avenue, Avon Lake, Ohio 44012; 300 Williamsburg Drive, Avon Lake, OH 44012 and 2635 King Richard, El Dorado Hills, CA 95762, respectively, have invented and own a certain invention entitled:

SYSTEM AND METHOD FOR CHARACTERIZING VASCULAR TISSUE

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on October 14, 2006, under U.S. Application No. 11/580,342, and

WHEREAS, Volcano Corporation, of 2870 Kilgore Road, Sacramento, CA 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 above-mentioned 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,
In re Appln. of Nair et al.
Attorney Docket No. 260901

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 __________________________________________

State of _____________
County of _____________

On __________ before me, ___________________________________________ , personally
appeared ___________________________________________ , who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature ___________________________________________

Date ____________________________

Barry D. Kuban

STATE OF ____________________________ )
COUNTY OF ___________________________ )

On this __________ day of ________________________, ________, before me, a Notary
Public in and for said county, appeared Barry D. Kuban, 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: _________________
In re Appln. of Nair et al.
Attorney Docket No. 260901

Date 7/9/05

State of CA
County of Sacramento

On July 9th 2005 before me, Mamtta Vats, Notary Public, personally appeared — D. Geoffrey Vance —, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Mamtta Vats

Date ________________________________

Jon D. Klingensmith

State of California
County of ____________

On __________________ before me, ____________________________________________, personally appeared ____________________________________________, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature ____________________________________________
ASSIGNMENT

WHEREAS, We, Anuja Nair, Barry D. Kuban, D. Geoffrey Vince and Jon D. Klingensmith, of 4204 Ridgewood Road, Copley, Ohio 44321; 427 Moorewood Avenue, Avon Lake, Ohio 44012; 300 Williamsburg Drive, Avon Lake, OH 44012 and 2635 King Richard, El Dorado Hills, CA 95762, respectively, have invented and own a certain invention entitled:

SYSTEM AND METHOD FOR CHARACTERIZING VASCULAR TISSUE

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on October 14, 2006, under U.S. Application No. 11/580,342, and

WHEREAS, Volcano Corporation, of 2870 Kilgore Road, Sacramento, CA 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 above-mentioned 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
In re Appln. of Nair et al.  
Attorney Docket No. 260901

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 June 26, 2008  
Anuja Nair

State of CA  
County of Sacramento

On June 26, 2008, before me, Mamta Vats, Notary Public, personally appeared Anuja Nair, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Mamta Vats

Date Barry D. Kuban

STATE OF

COUNTY OF

On this day of , before me, a Notary Public in and for said county, appeared Barry D. Kuban, 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.

Page 2 of 3
In re Appln. of Nair et al.
Attorney Docket No. 269901

(SEAL)

Notary Public

My Commission Expires: __________________________
In re Appln. of Nair et al.  
Attorney Docket No. 269901

Date _____________________________________________________________  D. Geoffrey Vince

STATE OF ___________________________

COUNTY OF ___________________________

On this ______ day of _______________________, ______, before me, a Notary Public in and for said county, appeared D. Geoffrey Vince, 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 _____________________________________________________________  Jon D. Klingensmith

State of California
County of ___________________________

On _______________________, __________________________________________, personally appeared __________________________, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _________________________________________________________