



Commissioner for Patents:

102868773

10/22/04

Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p><u>Inder Raj S. Makin</u> Peter G. Barthe Michael H. Slayton</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Ethicon Endo-Surgery, Inc.</p> <p>Street Address: 4545 Creek Road</p> <p>City: Cincinnati State: OH Zip: 45242</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: 9/14/2004, 9/15/2004, 9/20/2004</p>	
<p>4. Application number(s) or patent number(s): <u>10/735,045</u></p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No.(s) B. Patent No.(s)</p> <p style="text-align: right;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Philip S. Johnson, Esq. Chief Patent Counsel Johnson & Johnson One Johnson & Johnson Plaza New Brunswick, NJ 08933-7003</p>	<p>6. Total number of applications & patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) <u>\$40.00</u></p> <p><input checked="" type="checkbox"/> Authorized to be charged to Deposit Account</p> <p>8. Deposit Account Number: 10-0750/END 5043CIP2/VEK</p>
<p>9. Statement and signature</p> <p><i>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.</i></p> <p>Verne E. Kreger, Jr. _____ Name of Person Signing</p> <p style="text-align: center;"> Signature</p> <p style="text-align: right;">October <u>19</u>, 2004 Date</p> <p style="text-align: center;">Total number of pages including cover sheet, attachments, and document: 10</p>	

OFFICE OF PUBLIC RECORDS
2004 OCT 22 PM 2:28
FINANCE SECTION

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

10/27/2004 ECDOPER 00000030 100750 10735045

01 FC:6021 40.00 DA

ASSIGNMENT

Serial No. 10/735,045
Filed December 12, 2003

WHEREAS, Inder Raj S. Makin, residing at 11388 Donwiddle Drive, Loveland, OH, 45140; Peter G. Barthe, residing at 4818-1 E. Hazel Drive, Phoenix, AZ 85044; and Michael H. Slayton, residing at 1323 E. Whalers Way, Tempe, AZ 85283-2149, (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

METHOD FOR MAPPING TEMPERATURE RISE USING PULSE-ECHO ULTRASOUND

for which they have on the 14 day of September, 2004 executed an application for Letters Patent of the United States; and

WHEREAS, Ethicon Endo-Surgery, Inc., a corporation of the State of Ohio, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions

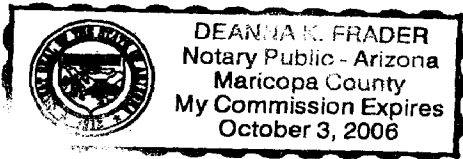
and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 14th day of September, 2004

Inder Raj S. Makin (L.S.)
Inder Raj S. Makin

STATE OF Arizona)
) ss.
COUNTY OF Maricopa)

BE IT REMEMBERED, That on this 14th day of September, 2004, before me, a Notary Public, personally appeared Inder Raj S. Makin, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.



Deanna K. Frader
Notary Public

_____ (L.S.)
Peter G. Barthe

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2004, before me, a Notary Public, personally appeared Peter G. Barthe, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

Notary Public

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this ____ day
of _____, 2004

Michael H. Slayton (L.S.)

STATE OF _____)
COUNTY OF _____) ss.

BE IT REMEMBERED, That on this ____ day of _____, 2004,
before me, a Notary Public, personally appeared Michael H. Slayton, who I am satisfied is the
person named in and who executed the foregoing instrument in my presence, and I having first
made known to him the contents thereof, he did acknowledge that he signed, sealed, and
delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

Notary Public

ASSIGNMENT

Serial No. 10/735,045
Filed December 12, 2003

WHEREAS, Inder Raj S. Makin, residing at 11388 Donwiddle Drive, Loveland, OH, 45140; Peter G. Barthe, residing at 4818-1 E. Hazel Drive, Phoenix, AZ 85044; and Michael H. Slayton, residing at 1323 E. Whalers Way, Tempe, AZ 85283-2149, (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

METHOD FOR MAPPING TEMPERATURE RISE USING PULSE-ECHO ULTRASOUND

for which they have on the 20 day of September, 2004 executed an application for Letters Patent of the United States; and

WHEREAS, Ethicon Endo-Surgery, Inc., a corporation of the State of Ohio, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions

and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 20th day of September, 2004

Inder Raj S. Makin (L.S.)

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2004, before me, a Notary Public, personally appeared Inder Raj S. Makin, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

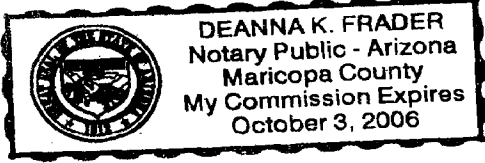
Notary Public

Peter G. Barthe (L.S.)
Peter G. Barthe

STATE OF Arizona)
) ss.
COUNTY OF Maricopa)

BE IT REMEMBERED, That on this 20th day of September, 2004, before me, a Notary Public, personally appeared Peter G. Barthe, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

Deanna K. Frader
Notary Public



A S S I G N M E N T

Serial No. 10/735,045
Filed December 12, 2003

WHEREAS, Inder Raj S. Makin, residing at 11388 Donwiddle Drive, Loveland, OH, 45140; Peter G. Barthe, residing at 4818-1 E. Hazel Drive, Phoenix, AZ 85044; and Michael H. Slayton, residing at 1323 E. Whalers Way, Tempe, AZ 85283-2149, (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

METHOD FOR MAPPING TEMPERATURE RISE USING PULSE-ECHO ULTRASOUND

for which they have on the 15 day of September, 2004 executed an application for Letters Patent of the United States; and

WHEREAS, Ethicon Endo-Surgery, Inc., a corporation of the State of Ohio, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions

and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this ____ day of _____, 2004

Inder Raj S. Makin (L.S.)

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this ____ day of _____, 2004, before me, a Notary Public, personally appeared Inder Raj S. Makin, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

Notary Public

Peter G. Barthe (L.S.)

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this ____ day of _____, 2004, before me, a Notary Public, personally appeared Peter G. Barthe, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

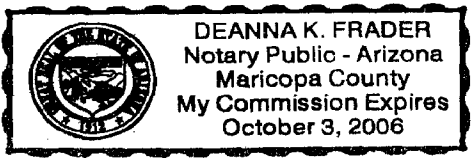
Notary Public

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 15th day of September, 2004

[Signature] (L.S.)
Michael H. Slayton

STATE OF Arizona)
) ss.
COUNTY OF Maricopa)

BE IT REMEMBERED, That on this 15 day of September, 2004, before me, a Notary Public, personally appeared Michael H. Slayton, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.



[Signature]
Notary Public