

Atty Ref/Docket No.: 1153.037US1



To the Honorable Commissioner of Patents and Trademarks

102076093

y thereof.

1. Name of conveying party(ies):

A. Olkhovets, D. W. Carr, Harold G. Craighead and
J. M. Parpia

2. Name and address of receiving party(ies):

Name: Cornell Research Foundation, Inc.

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

Street Address: 20 Thornwood Drive
Suite 105

3. Nature of conveyance:

[X] Assignment

[] Merger

[] Security Agreement

[] Change of Name

[] Other

City: Ithaca State: NY ZIP: 14850

Additional name(s) & address(es) attached? [] Yes [X] No

Execution Date: March 5, March 7, March 6, March 15, (2002)

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)

B. Patent No.(s)

Serial No. 10/034,594, filed December 28, 2001

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: Bradley A. Forrest

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

[X] Enclosed

[] Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our
Deposit account number: 19-0743

DO NOT USE THIS SPACE

9. 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.

Bradley A. Forrest/Reg. No. 30,837

Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 13

OMB No. 0651-0011 (exp. 4/94)

05/01/2002 DBYRME 00000185 10034594

01 EC:581

40.00 OP

Do not detach this portion

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

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

ASSIGNMENT

AO 2/28/02

3628 Carlton Ave, Piscataway, NJ 08854

WHEREAS, WE, A. Olkhovets, residing at 316 Highland Road #C10, Ithaca, NY 14850, and D. W. Carr, residing at Murray Hill, NJ 07974, and Harold G. Craighead, residing at 21 Fairway Drive, Ithaca, NY 14850, and J. M. Parpia, residing at Ithaca, NY 14850, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on December 28, 2001, which application was assigned U.S. patent application serial number 10/034,594, and is entitled MULTIPLE MECHANICAL RESONATOR PARAMETRIC DEVICE.

AND WHEREAS, Cornell Research Foundation, Inc., a corporation organized and existing under and by virtue of the laws of the State of New York, and having an office and place of business at 20 Thornwood Drive, Suite 105, Ithaca, NY 14850, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.


IN TESTIMONY WHEREOF, I have hereunto set my hand this 05 day of March, 2002.

A. Olkhovets

STATE OF New Jersey)
COUNTY OF Essex) ss.

On this 5 day of March, 2002 before me personally appeared A. Olkhovets to me and known to me to be the person described in and who executed the foregoing instrument, and duly acknowledged to me that he/she executed the same for the uses and purposes therein set

[SEAL]


Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2002.

D. W. Carr

STATE OF _____)
)ss.
COUNTY OF _____)

On this ____ day of _____, 2002 before me personally appeared D. W. Carr to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2002.

Harold G. Craighead

STATE OF _____)
)ss.
COUNTY OF _____)

On this ____ day of _____, 2002 before me personally appeared Harold G. Craighead to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2002.

J. M. Parpia

STATE OF _____)
)ss.
COUNTY OF _____)

On this ____ day of _____, 2002 before me personally appeared J. M. Parpia to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

WHEREAS, WE, A. Olkhovets, residing at 316 Highland Road #C10, Ithaca, NY 14850, and D. W. Carr, residing at Murray Hill, NJ 07974, and Harold G. Craighead, residing at 21 Fairway Drive, Ithaca, NY 14850, and J. M. Parpia, residing at Ithaca, NY 14850, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on December 28, 2001, which application was assigned U.S. patent application serial number 10/034,594, and is entitled MULTIPLE MECHANICAL RESONATOR PARAMETRIC DEVICE.

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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2002.

A. Olkhovets

STATE OF _____)
)ss.
COUNTY OF _____)


On this ____ day of _____, 2002 before me personally appeared A. Olkhovets to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 7 day of March, 2002.

ereunto set my hand this 7 day of March, 2002.


D. W. Carr

STATE OF New Jersey)ss.
COUNTY OF Essex)

On this 7 day of March, 2002 before me personally appeared D. W. Carr to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

* Sharronda Q. Res
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2032.

Harold G. Craighead

STATE OF _____)
)ss.
COUNTY OF _____)

On this ____ day of _____, 2002 before me personally appeared Harold G. Craighead to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2002.

J. M. Parpia

STATE OF _____)
)ss.
COUNTY OF _____)

On this ____ day of _____, 2002 before me personally appeared J. M. Parpia to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

WHEREAS, WE, A. Olkhovets, residing at 316 Highland Road #C10, Ithaca, NY 14850, and D. W. Carr, residing at Murray Hill, NJ 07974, and Harold G. Craighead, residing at 21 Fairway Drive, Ithaca, NY 14850, and J. M. Parpia, residing at Ithaca, NY 14850, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on December 28, 2001, which application was assigned U.S. patent application serial number 10/034,594, and is entitled MULTIPLE MECHANICAL RESONATOR PARAMETRIC DEVICE.

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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2002.

A. Olkhovets

STATE OF _____)
)ss.
COUNTY OF _____)

On this ____ day of _____, 2002 before me personally appeared A. Olkhovets to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2002.

D. W. Carr

STATE OF _____)
)ss.
COUNTY OF _____)

On this ____ day of _____, 2002 before me personally appeared D. W. Carr to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of March, 2002.

✓ Harold G. Craighead
Harold G. Craighead

STATE OF New York)
)ss.
COUNTY OF Tompkins)

On this 6th day of March, 2002 before me personally appeared Harold G. Craighead to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Rosemary Reynolds
Notary Public ROSEMARY REYNOLDS

ROSEMARY REYNOLDS
Notary Public, State of New York
No. 4895247
Qualified in Tompkins County
Term Expires May 18, 2003

PATENT
REEL: 012839 FRAME: 0369

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of March, 2002.

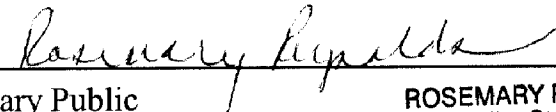


J. M. Parpia

STATE OF New York)
)ss.
COUNTY OF Tompkins)

On this 15th day of March, 2002 before me personally appeared J. M. Parpia to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public
ROSEMARY REYNOLDS
Notary Public, State of New York
No. 4895247
Qualified in Tompkins County
Term Expires May 18, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: A. Olkhovets et al.

Title: MULTIPLE MECHANICAL RESONATOR PARAMETRIC DEVICE

Docket No.: 1153.037US1

Serial No.: 10/034,594

Filed: December 28, 2001

Due Date: N/A

Examiner: Unknown

Group Art Unit: Unknown

Attn: Box Assignment

Hon. Commissioner for Patents and Trademarks

Washington, D.C. 20231

We are transmitting herewith the attached:

☒ An Assignment of the invention to Cornell Research Foundation, Inc. (12 pgs.) and Recordation Form Cover Sheet (1 pg.).


☒ A check in the amount of \$40.00 to cover the Assignment Recording Fee.

☒ A return postcard.

☐ Other: ____.

Please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

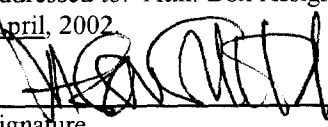
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: 
Name: Bradley A. Forrest
Reg. No. 30,837
BAF:CMG:jds

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Attn: Box Assignment, Hon. Commissioner for Patents and Trademarks, Washington, D.C. 20231, on this 9 day of April, 2002.

Jason D. Smith

Name



Signature