

05-14-2001

FORM PTO-1619A



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PATENT

Our File 51-18 US

05/02/01

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JC976 U.S. PTO
09/846232
05/02/01

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies)

Submission Type

- New
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Document ID #
- Correction of PTO Error
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Conveyance Type

- Assignment Security Agreement
- License Change of Name
- Merger Other:

Conveying Party(ies)

Mark if additional names of conveying parties attached

First Party Name Theodore M. Garver

Second Party Name David Jenkins

Third Party Name Andrew Riser

Fourth Party Name

Fifth Party Name

09/846232

Execution Date

Month	Day	Year
April	19	2001
April	18	2001
April	11	2001

Receiving Party

Mark if additional names of receiving parties attached

Alberta Research Council Inc.
250 Karl Clark Road

City Edmonton

State/Country Alberta, Canada

Zip/Postal Code T6N 1E4

Domestic Representative Name and Address

Randy W. Lacasse
Lacasse & Associates
2001 Jefferson Davis Highway, Suite 806
Arlington, Virginia, 22202
United States of America

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Mail documents to be recorded with required cover sheet(s) information to:
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REEL: 011780 FRAME: 0371

Correspondent Name and Address**Tel:** (703) 415-1015

Randy W. Lacasse
 Lacasse & Associates
 2001 Jefferson Davis Highway, Suite 806
 Arlington, Virginia, 22202
 United States of America

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

3**Application Number(s) or Patent Number(s)** Mark if additional names of receiving parties attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a **new** Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Apr 19 2001

Patent Cooperation Treaty (PCT)Enter PCT application number only if a U.S. Application Number has not been assigned.**Number of Properties**

Enter total number of properties involved.

1**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$40.00

Method of Payment:

Enclosed Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

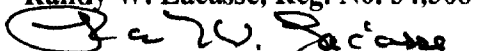
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Randy W. Lacasse, Reg. No. 34,368


 Name of Person Signing


 Signature


 Date

Our File No. 51-18 US

**ASSIGNMENT OF INVENTION
UNIVERSAL**

WHEREAS, I/We 1) Theodore M. Garver, 2) David Jenkins and 3) Andrew Riser TMG
whose full post office addresses are respectively: 1) 3307-114th Street, N.W. Edmonton, Alberta T6M 4B1
Canada, 2) 14319 Sequoia Road, Canyon Country, California 91351 United States and 3) 14740
Munnberry Lane, Newbury, Ohio 44065 United States have invented certain improvements in and
described in United States Patent Application entitled **Multiple Pathlength Spectrometer** filed herewith,
and;

WHEREAS, **Alberta Research Council Inc.** (hereinafter referred to as the assignee),
whose full post office address is 250 Karl Clark Road, Edmonton, Alberta T6N 1E4 Canada is desirous of
acquiring the entire right, title and interest in and to said invention or inventions and in and to any and all
patents to be obtained therefor;

NOW, THEREFORE, I/we have and by these presents do hereby assign and transfer
unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention
or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to
the aforesaid application, and in and to any applications filed in any foreign country based thereon,
including the right to file said foreign applications under the provisions of the International Convention;
also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be
obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation,
substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or
inventions, in any country; and I/we hereby authorize and request the issuing authority to issue any and
all patents on said application or applications to said assignee.

I/we further agree without any payment by said assignee other than expenses incurred by
the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said
invention or inventions, including evidence for interference purposes or for other proceedings, whenever
requested; testify in any interference or other proceedings, whenever requested; and execute and deliver,
on request, all lawful papers required to make any of the foregoing provisions effective, and likewise
make these provisions binding upon my/our heirs, legal representatives, administrators and assigns.

WITNESS:

Jen Dorland
Printed name of Witness

Jen Dorland
Signature of Witness

Theodore M Garver Date: April 19, 2001
Theodore M. Garver

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WITNESS:

Denise P. Souke
Printed name of Witness

David Jenkins Date: 4/18/2001
David Jenkins

Denise P. Souke
Signature of Witness

WITNESS:

Printed name of Witness

Date:
Andrew Riser

Signature of Witness

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WITNESS:

Printed name of Witness

David Jenkins

Date:

Signature of Witness

WITNESS:

DA PETERSON
DA Peterson

Printed name of Witness

DA Peterson

Signature of Witness

Andrew Hiser

Andrew Hiser

Date:

4/4/01