

07-23-1999



To the Honorable Commissioner

101099699

The attached original documents or copy thereof.

1. Name of conveying party(ies)

Andrew N. Krutchinsky, Alexandre V. Loboda,
Victor L. Spicer, Werner Ens, Kenneth G. Standing

Additional name(s) of conveying party(ies) attached?

Yes _____ No ☒

3. Nature of conveyance:

☒ Assignment (Document I.D. 101014345) _____ Merger

_____ Security Agreement _____ Change of Name

Other _____

Execution Date: March 25, 1999

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) 09/236,376

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

Name: University of Manitoba

Internal Address: _____

Street Address: 506 Allen Bldg., Physics Dept.City: Winnipeg State: Manitoba ZIP: R3T 2N2
Country: CanadaAdditional names/addresses attached? Yes _____ No ☒

B. Patent No.(s)

Additional numbers attached? Yes _____ No ☒5. Name and address of party to whom correspondence concerning
document should be mailed:Name: H. Samuel FrostInternal Address: c/o Bereskin & ParrStreet Address: Box 401, 40 King Street WestCity: Toronto State: Ontario ZIP: M5H 3Y2Country: Canada6. Total number of applications
and patents involved: _____ 1

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

_____ Enclosed (paid 4/12/99)

_____ Please charge any deficiency or credit any
overpayment to our deposit account number

8. Deposit account number:

02-2095

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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.H. Samuel Frost, Regn. 31,696Name of Person Signing
BP File # 571-536

Signature

July 21, 1999

Date

Total number of pages including cover sheet: 6

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

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to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.PATENT
REEL: 010106 FRAME: 0435

ASSIGNMENT

WHEREAS WE, (1) **ANDREW N. KRUTCHINSKY**; (2) **ALEXANDRE V. LOBODA**; (3) **VICTOR L. SPICER**; (4) **WERNER ENS**; AND (5) **KENNETH G. STANDING**, whose full post office addresses are (1) 36B-99 Roslyn Rd, Winnipeg, Manitoba, Canada, R3L 0G4; (2) 230-140 Baylor Ave., Winnipeg, Manitoba, Canada, R3T 3P4; (3) 63 Point West Drive, Winnipeg, Manitoba, Canada, R3T 5H1; (4) 27 Warrendale, Winnipeg, Manitoba, Canada, R2M 5B8; and (5) 60 Kings Drive, Winnipeg, Manitoba, Canada, R3T 3E5,, have invented certain new and useful improvements in an invention entitled **SPECTROMETER PROVIDED WITH PULSED ION SOURCE AND TRANSMISSION DEVICE TO DAMP ION MOTION AND METHOD OF USE** for which an application for United States Letters Patent was executed by us on the 25th day of January, 1999 under U.S. patent application serial number 09/236,376;

AND WHEREAS **UNIVERSITY OF MANITOBA**, of Winnipeg, Manitoba, Canada, R3T 2N2, has acquired from us the whole right, title and interest for the United States of America and all other countries in and to the said invention and in and to any Letters Patent that may be obtained therefor, and in and to said application;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, **Andrew N. Krutchinsky, Alexandre V. Loboda, Victor L. Spicer, Werner Ens and Kenneth G. Standing** by these presents confirm that we have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **University of Manitoba**, our full and exclusive right to the said invention in the United States of America and all other countries and our entire right, title and interest in and to any and all Letters Patent which may be granted therefor, and our entire right, title and interest in and to said application, and in and to any divisions, continuations, continuations-in-part and extensions of said application, together with the right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said application for United States Letters Patent.

We agree that we will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said invention and for additions and modifications thereto in any and all countries, and to vest title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said University of Manitoba, the assignee of our entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

New York, NY, USA, this
EXECUTED at ~~Winnipeg, Manitoba, Canada, this~~ 25 day of March

1999.

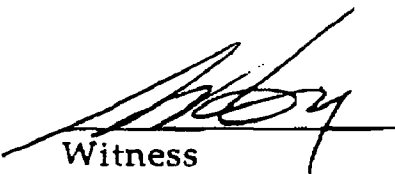


Witness


ANDREW W. KRUTCHINSKY

EXECUTED at Winnipeg, Manitoba, Canada, this 25 day of MARCH

1999.

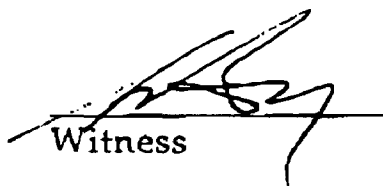


Witness


ALEXANDRE V. LOBODA

EXECUTED at Winnipeg, Manitoba, Canada, this 25 day of MARCH

1999.

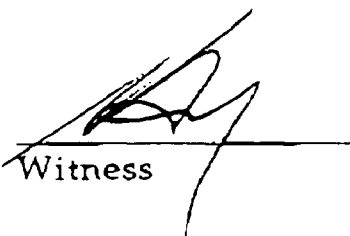


Witness


VICTOR L. SPICER

EXECUTED at Winnipeg Manitoba, Canada, this 25 day of March

1999.



Witness


WERNER ENS


We hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said **University of Manitoba**, the assignee of our entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

EXECUTED at Winnipeg, Manitoba, Canada, this ____ day of _____
1999.

ANDREW N. KRUTCHINSKY

Witness

EXECUTED at Winnipeg, Manitoba, Canada, this 25 day of MARCH,
1999.



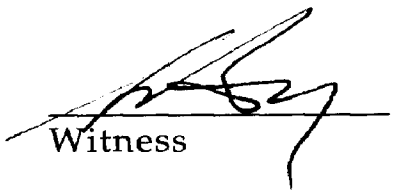
ALEXANDRE V. LOBODA


Witness

EXECUTED at Winnipeg, Manitoba, Canada, this 25 day of MARCH,
1999.



VICTOR L. SPICER


Witness

EXECUTED at Winnipeg Manitoba, Canada, this 25 day of March,
1999.




WERNER ENS


Witness

EXECUTED at Winnipeg, Manitoba, Canada, this 25 day of March,
1999.



KENNETH G. STANDING



Witness