

06-24-1998

HEET

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TO THE ASSISTANT COMMISSIONER FOR PATENTS... original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

- 1. Mohamed Elmasry
- 2. Mohamed Allam

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

Name: The University of Waterloo
Internal Address: Same as Street Address
Street Address: Waterloo, Ontario Canada N2L 3G1

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

Additional name(s) of receiving party(ies) attached?
 () Yes (X) No

3. Nature of conveyance:

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

4. Application number(s) or Patent number(s):

Application(s) filed herewith
 Execution Date(s): April 28, 1998

Patent Application No.:
 Filing Date:

Patent No.:
 Issue Date:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

- 1. April 24, 1998
- 2. April 24, 1998

Additional numbers attached? () Yes (X) No

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

Name: Jerry T. Sewell
 KNOBBE, MARTENS, OLSON & BEAR, LLP
 Customer No. 20,995
Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
 City: Newport Beach State: CA ZIP: 92660
Attorney's Docket No.: SIMMC29.001C1

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

- Enclosed
- Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Jerry T. Sewell
 Name of Person Signing

Jerry T. Sewell
 Signature

JUNE 12, 1998
 Date

31,567
 Registration No.

Total number of pages including cover sheet, attachments and document: 1

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

06/23/1998 JMWKINS 00000109 09096947
 01 FC:581 40.00 DP
 JTS-1258.cs
 980612/1

Assistant Commissioner for Patents
 Box Assignments
 Washington, D.C. 20231

UNITED STATES OF AMERICA
JOINT INVENTORS

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, we, Mohamed Elmasry and Mohamed Allam, whose full post office addresses are 402 Clairbrook Crescent, Waterloo, Ontario, Canada, N2L 5V7 and #316 - 102 Seagram Drive, Waterloo, Ontario, Canada, N2L 3B6, do hereby confirm our sale, assignment, transfer and setting over, and we do hereby sell, assign, transfer and set over to The University of Waterloo, assignee, whose full post office address is Waterloo, Ontario, Canada, N2L 3G1, our entire right, title and interest for the United States of America in and to our invention relating to and entitled as fully set forth and described in an application for Letters Patent of the United States of America executed by us on April 24, 1998, together with our entire right, title and interest in and to said application, any and all divisional and continuation applications thereof, and any and all Letters Patent of the United States of America which may issue or be re-issued for said invention to the full end of the term for which each said Letters Patent may be granted.

And we hereby authorize the issuance of any and all said Letters Patent to said assignee as the assignee of our entire right, title and interest in and to the same, for the sole use and benefit of said assignee, its successors, assigns or legal representatives.

And we, on behalf of ourselves, our executors and administrators, hereby covenant and agree to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications, and other instruments as may reasonably be required by said assignee, its successors, assigns or legal representatives, to obtain any and all Letters Patent of the United States of America for said invention and vest the same in said assignee, its successors, assigns or legal representatives

SIGNED AT Waterloo, Ontario

This 24 day of April, 1998

Witness:

Audrey Babensee

Mohamed Elmasry

Mohamed Elmasry

Witness:

Audrey Babensee

Mohamed Allam

Mohamed Allam