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PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

R. Elaine Fulton (02/20/2004), Leslie P. Nagata
(02/18/2004), Azhar Z. Alvi (02/16/2004), and Weigang
Hu (02/20/2004)

3-24-04

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

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: see Box 1, conveying parties

2. Name and address of receiving party(ies)

Her Majesty the Queen in Right of Canada,
Name: as represented by the Minister of National Defence

Internal Address: _____

Street Address: _____

101 Colonel By Drive

City: Ottawa, Ontario

Country: Canada Zip: K1A 0K2

Additional name(s) &
address(es) attached: ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the new application is: February 16, 18, & 20, 2004

A. Patent Application No.(s):

This application

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Rader, Fishman & Grauer PLLC

Internal Address: Atty. Dkt.: NEL-0020

Street Address:
1233 20th Street, N.W.
Suite 501

City: Washington State: DC Zip: 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00
☐ Enclosed
☒ Authorized to be charged to deposit account
☐ Authorized to be charged to credit card
(Form 2038 enclosed)

8. Deposit account number:

18-0013
(Attach duplicate copy of this page if paying by deposit account)

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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.

Lee Cheng
Name of Person Signing

[Signature]
Signature

March 24, 2004
Date

Total number of pages including cover sheet, attachments, and documents: 4

03/29/2004 LNWELLER 00000114 180013 10007194

01 FC:8021

40.00 BA

PATENT
REEL: 015136 FRAME: 0339

Docket Number:

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

**GENETICALLY BIOTINYLATED RECOMBINANT ANTIBODY IN IMMUNOFILTRATION
ASSAY BY LIGHT ADDRESSABLE POTENTIOMETRIC SENSOR FOR
IDENTIFICATION OF VEE**

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Her Majesty the Queen in right of Canada, as represented by the Minister of National Defence, with offices at 101 Colonel By Drive, Ottawa, Ontario, Canada K1A 0K2 (hereinafter referenced as ASSIGNEES) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of Ten Dollar (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEES, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEES, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEES or its designee, as ASSIGNEES or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United

States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEES will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: 60/456,939, Filing Date: 03/25/2003.

This assignment executed on the dates indicated below.

R. Elaine FULTON

Name of first inventor Execution date of U.S. Patent Application

2596-12 Ave. S.E., Medicine Hat, Alberta T1B 1V6, Canada

Residence of first inventor

R. Elaine Fulton

Signature of first inventor

20 Feb 04

Date of this assignment

Leslie P. NAGATA

Name of second inventor Execution date of U.S. Patent Application

2 Smithson St. S.E., Medicine Hat, Alberta T1B 3G6, Canada

Residence of second inventor

Leslie P. Nagata

Signature of second inventor

18 Feb. 2004

Date of this assignment

Azhar Z. ALVI

Name of third inventor

Execution date of U.S. Patent Application

333 Meadows Blvd., Unit 11, Mississauga, Ontario L4Z 1G9, Canada

Residence of third inventor

Azhar Z. Alvi

Feb 16, 04.

Signature of third inventor

Date of this assignment

Weigang HU

Name of fourth inventor

Execution date of U.S. Patent Application

672 College Drive S.E., Suite 308, Medicine Hat, Alberta T1A 8K6, Canada

Residence of fourth inventor

Weigang Hu

Feb. 2, 04

Signature of fourth inventor

Date of this assignment