

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7688638

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MACDONALD, DETTWILER AND ASSOCIATES INC.	08/06/2009
RECEIVING PARTY DATA	
Name:	THE GOVERNORS OF THE UNIVERSITY OF CALGARY
Street Address:	2500 UNIVERSITY DRIVE N.W.
City:	CALGARY, ALBERTA
State/Country:	CANADA
Postal Code:	T2N 1N4
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	8738181
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	request@slwip.com
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER P.A.
Address Line 1:	P.O. BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	4336.026USA
NAME OF SUBMITTER:	ROBIN L. MONSEES
SIGNATURE:	/ ROBIN L. MONSEES /
DATE SIGNED:	12/12/2022
Total Attachments: 6	
source=4336026USA_request3-2#page1.tif	
source=4336026USA_request3-2#page2.tif	
source=4336026USA_request3-2#page3.tif	
source=4336026USA_request3-2#page4.tif	
source=4336026USA_request3-2#page5.tif	
source=4336026USA_request3-2#page6.tif	

RECORDATION FORM COVER SHEET
PATENTS ONLY

Form PTO-1595 (Rev. 6-18)
OMB No. 0651-0027 (exp. 10/31/2024)

U.S. Department of Commerce
United States Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Macdonald, Dettwiler and Associates Inc.

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

☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): August 6, 2009

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

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

Name: The Governors of the University of
Calgary

Street 2500 University Drive N.W.
Address:

City: Calgary

State/Province: Alberta

Zip: T2N 1N4

Country: Canada

Additional name(s) & address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s): ☐ This document serves as an Oath/Declaration (37 CFR 1.63)

A. Patent Application No.(s)

Serial No. Unknown

B. Patent No.(s)

8,738,181

Additional numbers attached? ☐ Yes ☒ No

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

Name: Timothy J. Christman

Address:

Schwegman Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, Minnesota 55402

Phone Number: (612) 359-3274

Docket Number: 4336.026USA

Email Address: request@slwip.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41): \$0.00

☐ Authorized to be charged to deposit account 19-0743

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account No.: 19-0743

Authorized User Name: Timothy J. Christman

9. Signature:

Timothy J. Christman/Reg. No. 59,481

Name of Person Signing

/ 

Signature

/ Dec 9, 2022

Date

Total number of pages including cover sheet, attachments, and documents: 6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT
REEL: 062052 FRAME: 0972

This Confirmatory Assignment effective the 15th day of April, 2008.

CONFIRMATORY ASSIGNMENT OF INVENTION – WORLDWIDE
("Confirmatory Assignment")

This Confirmatory Assignment of Invention is made by:

**MACDONALD, DETTWILER AND ASSOCIATES INC., of 9445 Airport Road, Brampton,
Ontario L6S 4J3, Canada**

(the "Assignor")

The Assignor hereby agrees and confirms that in exchange for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor did and does:

1. Sell, transfer and assign to

**THE GOVERNORS OF THE UNIVERSITY OF CALGARY, of 2500 University Drive N. W.,
Calgary, Alberta T2N 1N4, Canada**

(the "Assignee")

and to all of the Assignee's successors and assigns, the Assignor's entire right, title and interest in Canada, United States and throughout the world in and to:

- (a) the invention(s) and/or improvement(s) relating to **REGISTRATION METHODS, DEVICES, AND SYSTEMS**, as described and/or claimed in U.S. Patent Application No. 60/912,140 filed April 16, 2007; **METHODS, DEVICES, AND SYSTEMS USEFUL IN IMAGE REGISTRATION**, as described and/or claimed in U.S. Patent Application No. 60/912,169 filed April 17, 2007; **METHODS, DEVICES, AND SYSTEMS USEFUL IN REGISTRATION**, as described and/or claimed in International Application No. PCT/IB2008/003353 (formerly numbered PCT/US2008/060538) filed April 16, 2008

("Invention #1")

the invention(s) and/or improvement(s) relating to **FRAME MAPPING METHODS, DEVICES, AND SYSTEMS**, as described and/or claimed in U.S. Patent Application No. 60/912,144 filed April 16, 2007; **FRAME MAPPING AND FORCE FEEDBACK METHODS, DEVICES AND SYSTEMS**, as described and/or claimed in International Application No. PCT/IB2008/003363 (formerly numbered PCT/US2008/060545) filed April 16, 2008

("Invention #2")

the invention(s) and/or improvement(s) relating to **METHODS, DEVICES, AND SYSTEMS RELATING TO CAMERAS CONFIGURED TO BE POSITIONED WITHIN THE BORE OF A MAGNET AND MR BORE SPACE ILLUMINATION**, as described and/or claimed in U.S. Patent Application No. 60/912,148 filed April 16, 2007, and International Application No. PCT/IB2008/003669 (formerly numbered PCT/US2008/060461) filed April 16, 2008

("Invention #3")

the invention(s) and/or improvement(s) relating to **DEVICES FOR INTERFACING BETWEEN MANIPULATORS AND SURGICAL TOOLS**, as described and/or claimed in U.S. Patent Application No. 60/912,153 filed April 16, 2007, and International Application No. PCT/IB2008/003465 (formerly numbered PCT/US2008/060490) filed April 16, 2008

(“Invention #4)

(collectively, the “Invention”)

- (b) any and all applications, both Canadian and foreign, which the Assignor or Assignee, its successors or assigns, may file, either solely or jointly with others, on the Invention (the “Applications);
- (c) any and all Letters Patent, both Canadian and foreign, which may issue from any of the Applications, including all divisionals, continuations, continuations-in-part, renewals, reissues, substitutions and extensions thereof;
- (d) all Convention or Treaty rights derived from any of the Applications, including without limitation, all rights of priority in and to the Applications; and
- (e) the full and complete right to file applications for Letters Patent in the name of the Assignee, its successors or assigns, or in the Assignor’s name(s) at the election of the Assignee, its successors or assigns, on the Invention throughout the world.

2. **Agreed to execute**, upon the request and at the expense of the Assignee, its successors or assigns, any and all documents relating to divisional, continuation, continuation-in-part, renewals and substitute applications for the Invention, and any necessary declaration, oath, or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said applications, and any and all applications and other documents for Letters Patent in foreign countries on the Invention that the Assignee, its successors or assigns deems necessary or expedient. The Assignor also agreed to execute, upon the request and at the expense of the Assignee, its successors or assigns, any and all documents which may be necessary or desirable to enable the Assignee, its successors or assigns, to prosecute and defend any and all applications for Letters Patent.

NOW, IN EXCHANGE FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which is hereby acknowledged, the Assignor hereby:

- 1. **Grants** a power of attorney to the Assignee, its successors and assigns, to execute any and all such documents, declarations, oaths or affidavits referenced in clause (2) of this Confirmatory Assignment (entitled, “Agree to execute”) that the Assignor is unable or unwilling to execute.
- 2. **Agrees to cooperate** with the Assignee, its successors and assigns, upon the request and at the expense of the Assignee, its successors and assigns, and to the best of the Assignor’s ability, in any proceedings or transactions involving such applications or Letters Patent.

3. Grants to the Assignee, its successors and assigns, and to the firm of **MBM Intellectual Property Law LLP**, whose full post office address is 2200 -- 200 Granville Street, Vancouver, British Columbia V6C 1S4, Canada, the power to insert on this Confirmatory Assignment any further information as may be necessary to more particularly identify the Applications, and to correct any clerical error on this Confirmatory Assignment, as may be required by law for the recordation of this document at the patent office of any country throughout the world for which the Assignee, its successors or assigns seek the recordation of this document.

This agreement may be executed in any number of counterparts and all of these counterparts shall for all purposes constitute one agreement, binding on the parties, notwithstanding that all parties are not signatory to the same counterpart.

[signature page follows]

EXECUTION OF ASSIGNMENT OF INVENTION - WORLDWIDE

Execution by duly authorized representative
of the Assignor MACDONALD,
DETTWILER AND ASSOCIATES INC.

WITNESS:

By: [Signature]
(Signature)

By: [Signature]
(Signature)

Name: Paula Iovino

Name: Tin Fielding

Title: Manager, contracts and subcontracts

Date: August 6, 2009

Brampton, Ontario
(City & County Where Assignment Executed)

Notarization of Witness to Signature of Assignor

I, Tin Fielding, of 18 Jaffe Drive, Brampton Ontario
(Name of Witness) (Address of Witness)
declare that I was personally present and did witness Paula Iovino known to me
(Name of Assignor)
as the Manager, contracts and subcontracts of MACDONALD, DETTWILER AND ASSOCIATES INC.
duly sign (Title of Assignor)
and execute the above Assignment.

Sworn Before Me at Brampton
(City)

Peel on August 6, 2009
(Country) (Date)

[Signature]
(Signature of Commissioner)

B. LAPLAN-STREEDER
(Name in Print)

A Commissioner for taking Oaths and Affidavits for the
jurisdiction of Brampton, Ontario
(State, Province, etc.)

My commission expires DOES NOT EXPIRE
(Expiry Date)

[Signature]
(Signature of Witness)

ACKNOWLEDGMENT OF ASSIGNMENT

Acknowledgement of Receipt of Assignment by a duly authorized representative of
THE GOVERNORS OF THE UNIVERSITY OF CALGARY

By: [Signature]
(Signature)

Name: Dr. Ross Goldstein
Vice-President (Research)

Title: _____

Date: September 21, 2009

Calgary, Canada
(City & Country Where Assignment Executed)

I certify that this document is a true
copy of the original document

Dated: September 1, 2009
At: Vancouver

[Signature]
Notary Public in and for the Province of
_____ or a Commissioner
for taking affidavits for _____
(Province)

JAMES WAGNER
BARRISTER & SOLICITOR
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VANCOUVER, B.C. V6C 1S4
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