

## PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE:   | NEW ASSIGNMENT             |                |                     |            |                |            |  |
|--|----------------------------|----------------|---------------------|------------|----------------|------------|--|
| NATURE OF CONVEYANCE:  | ASSIGNMENT                 |                |                     |            |                |            |  |
| CONVEYING PARTY DATA   |                            |                |                     |            |                |            |  |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Luc Ouellet</td><td>05/07/2008</td></tr><tr><td>Patrick Wright</td><td>05/07/2008</td></tr></tbody></table> | Name                       | Execution Date | Luc Ouellet         | 05/07/2008 | Patrick Wright | 05/07/2008 |  |
| Name   | Execution Date             |                |                     |            |                |            |  |
| Luc Ouellet  | 05/07/2008                 |                |                     |            |                |            |  |
| Patrick Wright   | 05/07/2008                 |                |                     |            |                |            |  |
| RECEIVING PARTY DATA   |                            |                |                     |            |                |            |  |
| Name:  | DALSA Semiconductor Inc.   |                |                     |            |                |            |  |
| Street Address:  | 605 McMurray Road          |                |                     |            |                |            |  |
| City:  | Waterloo, ON               |                |                     |            |                |            |  |
| State/Country:   | CANADA                     |                |                     |            |                |            |  |
| Postal Code:   | N2V 2E9                    |                |                     |            |                |            |  |
| PROPERTY NUMBERS Total: 1  |                            |                |                     |            |                |            |  |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12045853</td></tr></tbody></table>   | Property Type              | Number         | Application Number: | 12045853   |                |            |  |
| Property Type  | Number                     |                |                     |            |                |            |  |
| Application Number:  | 12045853                   |                |                     |            |                |            |  |
| CORRESPONDENCE DATA  |                            |                |                     |            |                |            |  |
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| Phone:   | 6132369561                 |                |                     |            |                |            |  |
| Email:   | patents@markclerk.com      |                |                     |            |                |            |  |
| Correspondent Name:  | Marks & Clerk              |                |                     |            |                |            |  |
| Address Line 1:  | P.O. Box 957, Station B    |                |                     |            |                |            |  |
| Address Line 2:  | 1800-280 Slater Street     |                |                     |            |                |            |  |
| Address Line 4:  | Ottawa, ON, CANADA K1P 5S7 |                |                     |            |                |            |  |
| ATTORNEY DOCKET NUMBER:  | 21701-US                   |                |                     |            |                |            |  |
| NAME OF SUBMITTER:   | Richard J. Mitchell        |                |                     |            |                |            |  |
| Total Attachments: 3<br>source=Recordalx#page1.tif<br>source=Assignmentx#page1.tif   |                            |                |                     |            |                |            |  |

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PATENT  
REEL: 020952 FRAME: 0731



## RECORDATION FORM COVER SHEET PATENTS ONLY

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)

Luc OUELLET  
Patrick WRIGHT

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

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

Execution Date(s) May 7, 2008

- ☒ 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: DALSA Semiconductor Inc.

Internal Address: 605 McMurray Road

Street Address: \_\_\_\_\_

City: Waterloo

State: ON

Country: CANADA Zip: N2V 2E9

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

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

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/045,853

March 11, 2008

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Marks & Clerk

Internal Address: P.O. Box 957, Station B

Street Address: 1800-280 Slater Street

City: Ottawa

State: ON Canada Zip: K1P 5S7

Phone Number: (613) 236-9561

Fax Number: (613) 230-8821

Email Address: \_\_\_\_\_

### 6. Total number of applications and patents involved: 1

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

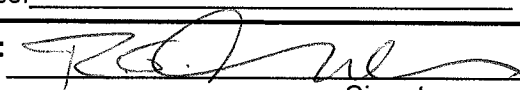
### 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 13-1717

Authorized User Name Marks & Clerk

### 9. Signature:



Signature

May 12, 2008

Date

Richard J. Mitchell 34,519

Name of Person Signing

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

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, V.A. 22313-1450

**ASSIGNMENT**

WHEREAS, **Luc Ouellet** and **Patrick Wright** residing at **503 du Rubannier, Granby, QC, J2H 2R8, Canada**; and **11 rue Page, Knowlton, QC, J0E 1V0, Canada**; respectively, have invented improvements in **MICROCHANNELS FOR BIOMEMS DEVICES**, as described in **United States Patent Application No. 12/045,853**, filed on **March 11, 2008** and

WHEREAS, **DALSA SEMICONDUCTOR INC.**, whose full post office address is **605 McMurray Road, Waterloo, ON, N2V 2E9, Canada**, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Letters Patent that may be granted therefor.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, We, as assignors hereby sell, assign and set over to said assignee the entire right, title and interest for the United States of America and all other countries, in and to said invention and the aforesaid application for Letters Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for themselves and their legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interference or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid for by said assignee.

Signed at Bromont this 7 day of May 2008

[Signature]  
Luc Ouellet

[Signature]  
(Witness)

Signed at Bromont this 7 day of May 2008

[Signature]  
Patrick Wright

[Signature]  
(Witness)