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06-30-2009



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Atty. Docket No.: 98731-000125/US

Page 1 of 1

RECORDATION FORM COVER SHEET

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

1. Name of conveying party(ies):

TRIUMF

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

☐ YES ☒ NO

3. Nature of conveyance:

☒ Assignment ☐ Merger ☐ Security Agreement

☐ Change of Name ☐ Other:

Execution Date: April 30, 2009

2. Name and address of receiving party(ies)

Name: **Advanced Applied Physics Solutions, Inc.**

Street Address: **4004 Wesbrook Mall**

City: **Vancouver, B.C.**

Country: **Canada** Postal Code: **V6T 2A3**

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 application is:

A. Patent Application No(s).

10/192,614

B. Patent No.(s).

6,770,884

Additional numbers attached? ☐ YES ☒ NO

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

Name: **HARNESS, DICKEY & PIERCE, P.L.C.**

Street Address: **P.O. BOX 8910**

City: **RESTON** State: **VA** ZIP: **20195**

Country: **USA**

6. Total No. of applications/patents involved: **One (1)**

7. Total fee (37 C.F.R. § 3.41): **\$40.00**

☒ Enclosed

☒ Authorized to be charged to deposit account, **if no fee attached.**

8. Deposit account number: 08-0750

(Attach triplicate copy of this page
if paying by deposit account)

DO NOT USE THIS SPACE

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.

Donald J. Daley/34,313

Name of Person Signing/Reg. No.

Signature

June 25, 2009

Date

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

06/29/2009 HJAMA1 00000017 10192614

01 FC:0021

40.00 DP

**PATENT
REEL: 022892 FRAME: 0755**

ASSIGNMENT

CORPORATE

TRIUMF, a joint venture by The Governors of The University of Alberta, the University of British Columbia, Carleton University, Simon Fraser University, The University of Toronto, and The University of Victoria, having a principal place of business at 4004 Wesbrook Mall, Vancouver, BC, V6T 2A3, Canada, (hereafter the "Assignor"), is the owner by respective Assignment of United States Patent Application identified below (hereafter the "Patent Application").

Advanced Applied Physics Solutions, Inc., a Canadian corporation having a principal place of business at 4004 Wesbrook Mall, Vancouver, BC, V6T 2A3, Canada, (hereafter the "Assignee"), desires to acquire all of the rights of the Patent Application and all inventions described and claimed therein.

THEREFORE, in consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to it, Assignor hereby sells and assigns to the Assignee the entire right, title, and interest in and to the Patent Application identified below, and all inventions described and claimed therein, in any and all corresponding applications or Letters Patent thereof in the United States of America and throughout the world, and in any and all continuations, divisionals, reissues, reexaminations, extensions, and renewals of such applications or Letters Patent to the full end of the term or terms for which such Letters Patent issue, such entire right, title, and interest to be held and enjoyed by the above-named Assignee the same as they would have been held and enjoyed by the Assignor had this Assignment and sale not been made.

| U.S. Appl. No. | Filing Date | U.S. Pat. No. | Issue Date | Title |
|----------------|-------------|---------------|------------|---|
| 10/192,614 | 07/11/2002 | 6,770,884 | 08/03/2004 | HIGH RESOLUTION 3-D POSITION SENSITIVE DETECTOR FOR GAMMA RAYS |

By its undersigned representative, the Assignor agrees

a. to execute all papers necessary in connection with the Patent Application and any continuation, divisional, reissue, reexamination, extension, renewal, or corresponding application thereof and also to execute separate Assignment in connection with such application as the Assignee may deem necessary or expedient;

b. to execute all papers necessary in connection with any interference which may be declared concerning the Patent Application or any continuation, divisional,

reissue, reexamination, or corresponding application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; and

c. to perform all affirmative acts which may be necessary to obtain a grant of a valid patent to the Assignee on inventions described in the Patent Application and on any continuation, divisional, reissue, reexamination, or corresponding application thereof.

The Assignor hereby covenants that it has the full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict therewith.

The Assignor certifies that it is the Owner of the entire right, title, and interest in the Patent Application identified above by virtue of an Assignment of the Patent Application identified above. This Assignment was recorded on July 11, 2002 under reel/frame no. 013098/0268.

The undersigned has reviewed the documents in the Patent Application identified above and, to the best of undersigned's knowledge and belief, title is in the Assignor identified above.

The undersigned is empowered to sign this certificate on behalf of the Assignor.

The undersigned hereby declares that all statements made herein of his/her own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

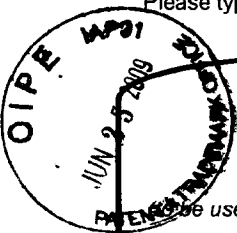
IN WITNESS WHEREOF, executed by the Assignor's undersigned representative on the date following the undersigned's name.

By: MS Lee

Title: DIRECTOR

Date: 4/30/09

Please type a plus sign (+) inside this box → +



TRANSMITTAL FORM

Patent used for all correspondence after initial filing)

| | |
|------------------------|------------------|
| Application Number | 10/192,614 |
| Filing Date | July 11, 2002 |
| Inventor(s) | Douglas BRYMAN |
| Group Art Unit | 2878 |
| Examiner Name | Albert GAGLIARDI |
| Attorney Docket Number | 98731-000125/US |

ENCLOSURES (check all that apply)

| | | | | |
|--|---|--|---------|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input checked="" type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Letter to the Official Draftsperson and _____ Sheets of Formal Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> LETTER SUBMITTING APPEAL BRIEF AND APPEAL BRIEF (w/clean version of pending claims) <input type="checkbox"/> Appeal Communication to Group (Notice of Appeal, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): | | |
| <table border="1" style="width: 100%;"> <tr> <td style="width: 20%;">Remarks</td> <td></td> </tr> </table> | | | Remarks | |
| Remarks | | | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | | | |
|-------------------------|----------------------------------|---------------|-----------------|----------|--------|
| Firm or Individual name | Harness, Dickey & Pierce, P.L.C. | Attorney Name | Donald J. Daley | Reg. No. | 34,313 |
| Signature | | | | | |
| Date | June 25, 2009 | | | | |

FEE TRANSMITTAL for FY 2009

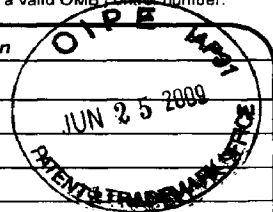
Effective 2/8/2006. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 40

Complete if Known

Application Number 10/192,614
 Filing Date July 11, 2002
 First Named Inventor Douglas BRYMAN
 Examiner Name Albert GAGLIARDI
 Art Unit 2878
 Attorney Docket No. 98731-000125/US



METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money ☐ Other ☐ None
 Order
☒ Deposit Account:
 Deposit Account Number
 08-0750

 Deposit Account Name
 Harness, Dickey & Pierce, P.L.C.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1011 | 330 | 2011 | 165 | Utility filing fee | |
| 1012 | 220 | 2012 | 110 | Design filing fee | |
| 1013 | 220 | 2013 | 110 | Plant filing fee | |
| 1014 | 330 | 2014 | 165 | Reissue filing fee | |
| 1005 | 220 | 2005 | 110 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$) 0 |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | | | | | | | |
|--------------------|--|------|--------------|---|----------------|---|----------|
| Total Claims | | ** = | Extra Claims | X | Fee from below | = | Fee Paid |
| Independent Claims | | ** = | 0 | X | | = | 0 |
| Multiple Dependent | | | | | | = | 0 |

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1202 | 52 | 2202 | 26 | Claims in excess of 20 | |
| 1201 | 220 | 2201 | 110 | Independent claims in excess of 3 | |
| 1203 | 390 | 2203 | 195 | Multiple dependent claim, if not paid | |
| 1204 | 220 | 2204 | 110 | ** Reissue independent claims over original patent | |
| 1205 | 52 | 2205 | 26 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | | | (\$) 0 |

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 2053 | 130 | Non-English specification | |
| 1812 | 2,520 | 2812 | 2,520 | For filing a request for reexamination | |
| 1804 | 920* | 2804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 2805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 130 | 2251 | 65 | Extension for reply within first month | |
| 1252 | 490 | 2252 | 245 | Extension for reply within second month | |
| 1253 | 1,110 | 2253 | 555 | Extension for reply within third month | |
| 1254 | 1,730 | 2254 | 865 | Extension for reply within fourth month | |
| 1255 | 2,350 | 2255 | 1,175 | Extension for reply within fifth month | |
| 1401 | 540 | 2401 | 270 | Notice of Appeal | |
| 1402 | 540 | 2402 | 270 | Filing a brief in support of an appeal | |
| 1403 | 1,080 | 2403 | 540 | Request for oral hearing | |
| 1452 | 540 | 2452 | 270 | Petition to revive - unavoidable | |
| 1453 | 1,620 | 2453 | 810 | Petition to revive - unintentional | |
| 1462 | 400 | 2462 | 400 | Petition fee under 37 CFR 1.17(f) | |
| 1463 | 200 | 2463 | 200 | Petition fee under 37 CFR 1.17(g) | |
| 1464 | 130 | 2464 | 130 | Petition fee under 37 CFR 1.17(h) | |
| 1807 | 50 | 2807 | 50 | Processing fee under 37 CFR 1.17 (q) | |
| 1806 | 180 | 2806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 28021 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 |
| 1809 | 810 | 2809 | 405 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 1810 | 810 | 2810 | 405 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 810 | 2801 | 405 | Request for Continued Examination (RCE) | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40

4. SEARCH/EXAMINATION FEES

| | | | | | |
|------|-----|------|-----|-------------------------|--|
| 1111 | 540 | 2111 | 270 | Utility Search Fee | |
| 1112 | 100 | 2112 | 50 | Design Search Fee | |
| 1113 | 330 | 2113 | 165 | Plant Search Fee | |
| 1114 | 540 | 2114 | 270 | Reissue Search Fee | |
| 1311 | 220 | 2311 | 110 | Utility Examination Fee | |
| 1312 | 140 | 2312 | 70 | Design Examination Fee | |
| 1313 | 170 | 2313 | 85 | Plant Examination Fee | |
| 1314 | 650 | 2314 | 325 | Reissue Examination Fee | |

SUBTOTAL (4) (\$) 0

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-------------------|-----------------|-----------------------------------|--------|-----------|---------------|
| Name (Print/Type) | Donald J. Daley | Registration No. (Attorney/Agent) | 34,313 | Telephone | 703-668-8000 |
| Signature | | | | Date | June 25, 2009 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

PATENT

RECORDED: 06/25/2009

REEL: 022892 FRAME: 0759