



06-22-2009

SHEET

To the Hc
Please reco



103564380

and Trademarks:
s 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).

10/689,951

B. Patent No.(s).

7,263,840

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 17, 2009

Date

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

06/19/2009 MJAMA1 00000017 10689951

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40.00 0P

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
10/689,951	10/22/2003	7,263,840	09/04/ 2007	AUTOMATIC LN2 DISTRIBUTION SYSTEM FOR HIGH- PURITY GERMANIUM MULTI-DETECTOR FACILITIES

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 October 22, 2003 under reel/frame no. 014622/0124.

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.

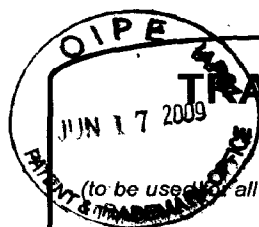
The undersigned hereby declares that all statements made herein of his/her own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable 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 Perlyn

Title: DIRECTOR

Date: 4/30/09



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/689,951
Filing Date	October 22, 2003
Inventor(s)	Gregory HACKMAN, et al.
Group Art Unit	3744
Examiner Name	Mohammad M. ALI
Attorney Docket Number	98731-000001/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):
<div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px auto;">Remarks</div>		

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 17, 2009				

FEE TRANSMITTAL for FY 2009

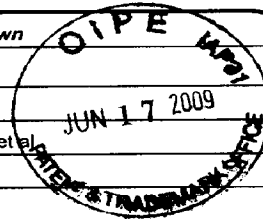
Effective 2/8/2006. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 40.00

Complete if Known

Application Number 10/689,951
 Filing Date October 22, 2003
 First Named Inventor Gregory HACKMAN, et al.
 Examiner Name Mohammad M. ALI
 Art Unit 3744
 Attorney Docket No. 98731-000001/US



METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☒ 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	Fee from below	Fee Paid
9	-20 **	0	52
Independent Claims	4	-4 **	0
Multiple Dependent			0

Large Entity		Small Entity		Fee Description
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)

3. ADDITIONAL FEES

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	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	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	1462	400	Petition fee under 37 CFR 1.17(f)	
1463	200	1463	200	Petition fee under 37 CFR 1.17(g)	
1464	130	1464	130	Petition fee under 37 CFR 1.17(h)	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	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 17, 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: 06/17/2009

REEL: 022846 FRAME: 0761