

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dan-Cristian Dinca</td> <td>06/26/2007</td> </tr> <tr> <td>Richard Mastronardi</td> <td>06/26/2007</td> </tr> <tr> <td>Peter J. Rothschild</td> <td>06/22/2007</td> </tr> </tbody> </table>		Name	Execution Date	Dan-Cristian Dinca	06/26/2007	Richard Mastronardi	06/26/2007	Peter J. Rothschild	06/22/2007
Name	Execution Date								
Dan-Cristian Dinca	06/26/2007								
Richard Mastronardi	06/26/2007								
Peter J. Rothschild	06/22/2007								
RECEIVING PARTY DATA									
Name:	American Science and Engineering, Inc.								
Street Address:	829 Middlesex Turnpike								
City:	Billerica								
State/Country:	MASSACHUSETTS								
Postal Code:	01821								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11737317</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11737317				
Property Type	Number								
Application Number:	11737317								
CORRESPONDENCE DATA									
Fax Number:	(617)443-0004								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	617-443-9292								
Email:	mbrown@bromsun.com								
Correspondent Name:	Bromberg & Sunstein LLP								
Address Line 1:	125 Summer Street								
Address Line 2:	Samuel J. Petuchowski								
Address Line 4:	Boston, MASSACHUSETTS 02110								
ATTORNEY DOCKET NUMBER:	1945/A70								
NAME OF SUBMITTER:	Samuel J. Petuchowski								

Total Attachments: 3
 source=1945a70Assignment#page1.tif

500335645

**PATENT
 REEL: 019702 FRAME: 0427**

CH \$40.00 11737317

source=1945a70Assignment#page2.tif
source=1945a70Assignment#page3.tif

ASSIGNMENT

ASSIGNORS: Dan-Cristian Dinca
Richard Mastronardi
Peter J. Rothschild

ASSIGNEE: American Science and Engineering, Inc.
829 Middlesex Turnpike
Billerica, MA 01821

STATE OF INCORPORATION OF ASSIGNEE: Massachusetts

INVENTION: X-ray Imaging of Baggage and Personnel using Arrays of Discrete Sources and Multiple Collimated Beams

ATTORNEY DOCKET: 1945/A70

SERIAL NO: 11/737,317

FILED: April 19, 2007

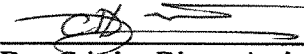
Assignor is a joint of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United

such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: 06/26/2007



Dan-Cristian Dinca, Assignor

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex, ss.

June 26, 2007

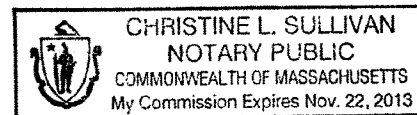
On this 26th day of June, 2007, before me, the undersigned notary public, personally appeared Dan-Cristian Dinca, proved to me through satisfactory evidence of identification, which consisted of license, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.



Notary Public

My commission expires:

Seal



Date: 6/26/07

Richard Mastronardi
Richard Mastronardi, Assignor

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex, ss.

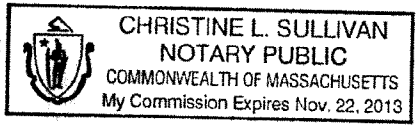
June 26, 2007

On this 26th day of June, 2007, before me, the undersigned notary public, personally appeared Richard Mastronardi, proved to me through satisfactory evidence of identification, which consisted of license, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

Christine L. Sullivan
Notary Public

My commission expires:



Date: 6/22/07

Peter J. Rothschild
Peter J. Rothschild, Assignor

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex, ss.

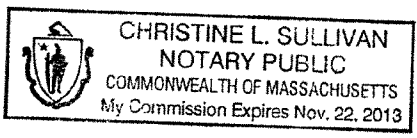
June 22, 2007

On this 22nd day of June, 2007, before me, the undersigned notary public, personally appeared Peter J. Rothschild, proved to me through satisfactory evidence of identification, which consisted of license, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

Christine L. Sullivan
Notary Public

My commission expires:



01945/00A70 666760.1