



02-23-2001

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DEPARTMENT OF COMMERCE  
Patent and Trademark Office



101619912

Tab settings

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

1. Name of conveying party(ies):

Lee Grodzins  
William Adams  
Peter Rothschild

2-15-01

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

Name: American Science and Engineering, Inc.

Internal Address:

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Street Address: 829 Middlesex Turnpike

City: Billerica State: MA ZIP: 01821

Execution Date: January 19, 2001

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

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

09/637,755

Additional numbers attached?  Yes  No

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

Name: Samuel J. Petuchowski

Internal Address: Bromberg & Sunstein LLP

02/23/2001 6TON11 00000124 09637755

01 FC:581 40.00 DP

Street Address: 125 Summer Street

City: Boston State: MA ZIP: 02110

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
- Authorized to be charged to deposit account

8. Deposit account number:

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.

Samuel J. Petuchowski

February 9, 2001

Name of Person Signing

Signature

Date

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

5

## ASSIGNMENT

ASSIGNOR: Lee Grodzins  
William Adams  
Peter Rothschild

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

INVENTION: COHERENT X-RAY SCATTER INSPECTION SYSTEM WITH  
SIDESCATTER AND ENERGY RESOLVED DETECTION

ATTY. DOCKET: 1945/A04

SERIAL NO: 09/637,755

FILED: August 11, 2000

Assignor is a joint inventor 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.

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 States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all 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: 1/19/01

Lee Grodzins  
Lee Grodzins, Assignor

COMMONWEALTH OF Mass )  
 ) ss.  
COUNTY OF Middlesex )

Before me, a notary public in and for said county and state, personally appeared Lee Grodzins, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Deborah A. Rocco  
Notary Public  
My Commission Expires: Sept. 13, 2007

(seal)

Date: 1/19/01

William Adams  
William Adams, Assignor

COMMONWEALTH OF Mass. )  
 ) ss.  
COUNTY OF Middlesex )

Before me, a notary public in and for said county and state, personally appeared William Adams, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Deborah A. Rocco  
Notary Public  
My Commission Expires: Sept. 13, 2007

(seal)

Date: 1/19/01

P. J. Rothschild  
Peter Rothschild, Assignor

COMMONWEALTH OF *Mass.* )  
 ) ss.  
COUNTY OF *Middlesex* )

Before me, a notary public in and for said county and state, personally appeared Peter Rothschild, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Deborah A. Rocco  
Notary Public  
My Commission Expires: *Sept. 13, 2007*

(seal)

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