

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Newton Scientific, Inc.	02/01/2010

**RECEIVING PARTY DATA**

Name:	NSI Acquisition Corp
Street Address:	255 Bent Street
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02141

**PROPERTY NUMBERS Total: 11**

Property Type	Number
Application Number:	12167722
Patent Number:	7448802
Patent Number:	7448801
Patent Number:	7177392
Patent Number:	6927985
Patent Number:	6414327
Patent Number:	6148061
Patent Number:	5976066
Patent Number:	6867415
Patent Number:	6707035
Patent Number:	6011825

**CORRESPONDENCE DATA**

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*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
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OP \$440.00 12167722

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Correspondent Name: Renee' Diana Sanft  
Address Line 1: 155 Seaport Boulevard  
Address Line 2: Seaport West  
Address Line 4: Boston, MASSACHUSETTS 02210

NAME OF SUBMITTER:

Renee D. Sanft

**Total Attachments: 5**

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**EXECUTION VERSION**

**PATENT ASSIGNMENT**

PATENT ASSIGNMENT dated and delivered as of February 1, 2010, by Newton Scientific, Inc. (the "Assignor").

W I T N E S S E T H

WHEREAS, the Assignor, NSI Acquisition Corp., a Delaware corporation (the "Assignee"), Rigaku Americas Corporation, a Delaware corporation, Ruth E. Shefer and Robert E. Klinkowstein have entered into that certain Asset Purchase Agreement dated as of February 1, 2010 (the "Asset Purchase Agreement");

WHEREAS, Assignor is (i) the owner of all right, title and interest in and to the patents and patent applications identified on Schedule A attached hereto as having been assigned to "NSI", (ii) the owner of an undivided right, title and interest in and to the patents and patent applications identified on Schedule A attached hereto as having been assigned to "NSI" and another assignee), (iii) and the inventions and discoveries disclosed therein (the "Patents"); and

WHEREAS, the Asset Purchase Agreement contemplates that and the Assignee desires to, together with its successors and assigns, acquire all right, title and interest in and to the benefits and privileges of the Intellectual Property.

NOW, THEREFORE, for good and valuable consideration furnished by Assignee to Assignor, the receipt and sufficiency of which Assignor hereby acknowledges, Assignor hereby, without reservation:

1. Sells, assigns, transfers and conveys to Assignee, its successors and assigns, Assignor's entire right, title and interest in and to the Patents and in all patents in the United States of America and all foreign countries which may be granted therefor and thereon, including, without limitation any and all divisions, continuations and continuations-in-part, or reissues or extensions of the Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and enjoyment and the use and enjoyment of its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

2. Authorizes and requests the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer Assignor's interests in the Patents to Assignee, as assignee of Assignor's entire interest thereto.

3. Binds itself, and its successors, legal representatives and assigns to do, upon Assignee's request and at Assignee's expense, without additional consideration to Assignor or its successors, legal representatives and assigns, all acts reasonably serving to assure that said Patents shall be held and enjoyed by Assignee as fully and entirely as the

same could have been held and enjoyed by Assignor, its successors, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful documents in form and substance as may be requested by Assignee to effectuate this assignment.

4. Nothing in this instrument shall be construed to sell, assign, transfer or convey to Assignee any right, title or interest of any person or entity other than Assignor in and to the Patents.

[Signature Page Follows]

WITNESS the execution hereof as an instrument under seal as of the day and year first written above.

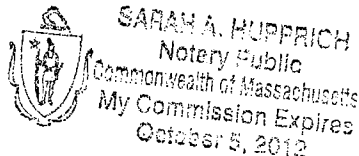
NEWTON SCIENTIFIC, INC.

By: Ruth E. Shefer  
Name: Ruth E. Shefer  
Its: President

Commonwealth of Massachusetts  
County of Suffolk

On this 10<sup>th</sup> day of February, 2010, before me, the undersigned notary public, personally appeared Ruth E. Shefer, proved to me by satisfactory evidence of identification, which consisted of a Massachusetts driver's license, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that she signed it as President of Newton Scientific, Inc., a Massachusetts corporation, voluntarily for its stated purpose.

Sarah A. Hupprich  
Notary Public  
My commission expires:



[Signature Page to Patent Assignment]

**PATENT**  
**REEL: 024812 FRAME: 0862**

**SCHEDULE A**

(See Attached)

1893475.3

Status of NSI Patents and Patent Applications as of January 20, 2010

Patent	Title	Assignee(s)	Status	Relevant Agreements
US 2009/0010393 PCT/US08/69195 (Application)	Compact High Voltage X-ray Source System And Method for X-ray Inspection Applications	NSI	Pending in US, EPO application due 2/5/2010	
US 7448802	Integrated X-ray source Module	NSI, Inpho Inc.	Issued 11/11/2008	
US 7448801	Integrated X-ray Source Module	NSI, Inpho Inc.	Issued 11/11/2008	
EP 04713387	Integrated X-ray Source Module	NSI, Inpho Inc.	Pending	
Japanese Patent Appl. No. 2006-503775	Integrated X-ray Source Module	NSI, Inpho Inc.	Pending	
Chinese Patent Appl. No. 200480004638.7	Integrated X-ray Source Module	NSI, Inpho Inc.	Pending	
US 7177392	X-ray detector for Feedback Stabilization of an X-ray Tube	NSI	Issued 2/13/2007	
US 6927985	High Voltage Generator	NSI	Issued 8/9/2005	
US 6414327	Method and Apparatus for Ion Beam Generation	NSI	Issued 7/2/2002	
US 6148061	Miniature X-ray Unit	NSI	Issued 11/14/2000	
US 5976066	Neutron Capture Therapies	NSI, MIT	Issued 11/21/1999	
US 6867415	Sample Introduction Interface for Analytical Processing	NSI, MIT	Issued 3/15/2005	JIA with MIT, licensed to National Electrostatics Corp.,
EP 01966126.3	Sample Introduction Interface for Analytical Processing	NSI, MIT	Pending	JIA with MIT, licensed to National Electrostatics Corp.,
US 6707035	Sample Introduction Interface for Analytical Processing of A Sample Placed on A Substrate	NSI, MIT	Issued 3/16/2004	JIA with MIT, licensed to National Electrostatics Corp.,
EP 01964366.7	Sample Introduction Interface for Analytical Processing of A Sample Placed on A Substrate	NSI, MIT	Pending	JIA with MIT, licensed to National Electrostatics Corp.,
US 6011825	Production of <sup>64</sup> Cu And Other Radionuclides Using A Charged-Particle Accelerator	NSI, Washington University	Issued 1/4/2000	JIA with Washington University

Newton Scientific, Inc.  
Confidential

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