

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5534198

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AARON J. COUTURE	04/29/2019
JEFFREY M. DENKER	04/29/2019
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: 2	
Property Type	Number
Application Number:	16382951
PCT Number:	US1927242
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	ASEC14DIVCON2CIP_PCT
NAME OF SUBMITTER:	SONA DALAL
SIGNATURE:	/SONA DALAL/
DATE SIGNED:	05/21/2019
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, we, below named, listed and undersigned inventors,

Co-Inventor: Aaron J. Couture, a citizen of the United States of America, residing at 56 Pearl Street, Reading, MA 01867, United States of America, and

Co-Inventor: Jeffrey M. Denker, a citizen of the United States of America, residing at 5 Diana Drive, Woburn, MA 01801, United States of America

have invented certain new and useful improvements in "Spectral Discrimination Using Wavelength-Shifting Fiber-Coupled Scintillation Detectors", for which an application for Letters Patent in the United States has been filed on April 12, 2019, and has been assigned Serial No. 16/382,951 and for which a Patent Cooperation Treaty Application, of the same title, has been filed on April 12, 2019 and has been assigned application number PCT/US19/27242, both of which are continuation-in-part applications of United States Patent Application Number 16/242,163, entitled "Spectral Discrimination Using Wavelength-Shifting Fiber-Coupled Scintillation Detectors" and filed on January 8, 2019.

United States Patent Application Number 16/242,163 is a continuation application of United States Patent Application Number 15/490,787, entitled "Hand-Held X-Ray Detection System Using Wavelength-Shifting Fiber-Coupled Scintillation Detectors", filed on April 18, 2017, and issued as United States Patent Number 10,209,372 on February 19, 2019, which is a continuation application of United States Patent Application Number 15/050,894, entitled "Spectral Discrimination Using Wavelength-Shifting Fiber-Coupled Scintillation Detectors", filed on February 23, 2016, and issued as United States Patent Number 9,658,343 on May 23, 2017, which is a division application of United States Patent Application Number 13/758,189, entitled "X-Ray Inspection Using Wavelength-Shifting Fiber-Coupled Scintillation Detectors", filed on February 4, 2013, and issued as United States Patent Number 9,285,488 on March 15, 2016, which, in turn, claims the priority of United States Provisional Patent Application Number 61/607,066 filed on March 6, 2012, United States Provisional Patent Application Number 61/598,521 filed on February 14, 2012, and United States Provisional Patent Application Number 61/598,576 filed on February 14, 2012. (collectively all applications are referred to as "Applications"):

AND WHEREAS, American Science and Engineering, Inc., (hereinafter "ASSIGNEE"), a corporation, with its principal place of business at 829 Middlesex Turnpike, Billerica, MA 01821, desires to acquire the entire right, title, and interest in and to the said Applications:

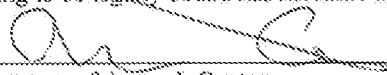
NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said Applications, and all provisional applications relating thereto, and all divisions, renewals and continuations or continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon and all reissues, reexaminations, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said Applications in any country or countries foreign to the United States, and all Letters Patent which may be granted for said Applications in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said Applications to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said Applications, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reexamination, and reissue applications, make all rightful oaths and declarations and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said Applications in all countries.

In some jurisdictions, a Notary Public or other office completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed his signature.

This 29 day of April, 2019


Signature of Aaron J. Couture

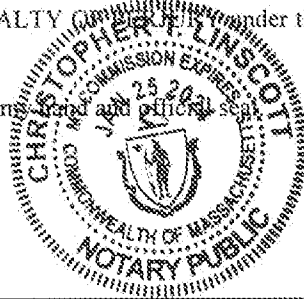
STATE OF Massachusetts }
COUNTY OF Middlesex } ss.

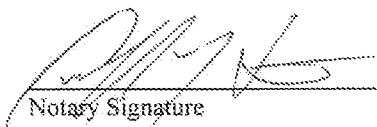
On 29 April 2019, before me, Christopher Linscott, Notary Public, personally appeared Aaron J. Couture who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the above-mentioned jurisdiction that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

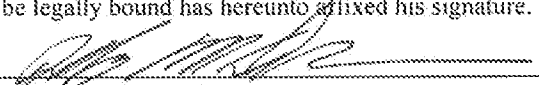



Notary Signature

In some jurisdictions, a Notary Public or other office completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed his signature.

This 29 day of April, 2019


Signature of Jeffrey M. Denker

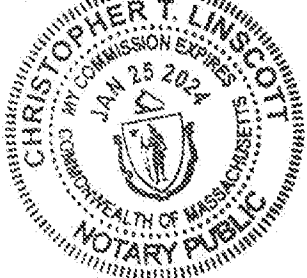
STATE OF Massachusetts }
COUNTY OF Middlesex } ss.

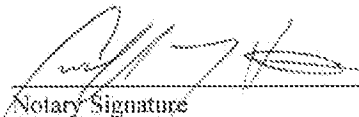
On 29 April 2019, before me, Christopher Linscott, Notary Public, personally appeared Jeffrey M. Denker who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the above-mentioned jurisdiction that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]




Notary Signature