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AUZVILLE JACKSON, JR.

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SOUTHEASTERN UNIVERSITIES RESEARCH ASSOCIATION,
INC.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 06/01/2006

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: JEFFERSON SCIENCE ASSOCIATES, LLC

Internal Address: _____

Street Address: 12000 JEFFERSON AVENUE

City: NEWPORT NEWS

State: VA

Country: US Zip: 23606

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

SEE ATTACHED SHEETS

B. Patent No.(s)

SEE ATTACHED SHEETS

Additional numbers attached? ☒ Yes ☐ No

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

Name: AUZVILLE JACKSON, JR.

Internal Address: _____

Street Address: 8652 RIO GRANDE ROAD

City: RICHMOND

State: VA Zip: 23229

Phone Number: 804/740-6828

Fax Number: 804/740-1881

Email Address: AUZVILLE2@MSN.COM

6. Total number of applications and patents involved: 89

7. Total fee (37 CFR 1.21(h) & 3.41) \$3560.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 6991
Expiration Date 01/07

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Auzville Jackson Jr.
Signature

6/9/06
Date

AUZVILLE JACKSON, JR.
Name of Person Signing

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

14

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OP \$3560.00 09690055

List of United States Patents. Attachment "A"

PATENT NO.	PATENT NAME	INVENTORS	ATTY. DOCKET NO.	INVENTION NO.	DATE AWARDED
5,018,387	Cryogenic Liquid Level Measuring Apparatus	Ganapati Rao Myneni	1118	1003	5/28/91
5,113,160	Wide Band Cryogenic Ultra-High Vacuum Microwave Absorber	Isidoro (Ricky) Campisi	752.1002	1005	5/12/92
5,102,093	Fast Valve	Van Dyke	752.1003	1006	4/7/92
5,453,609	Non Cross Talk Multi-Channel Photomultiplier Using Guided Electron	Javier GomeX, Stanislaw Majewski, Andrew Weisenberger	1053	1007	9/26/95
5,541,944	Apparatus and Method for Compensating for Electron Beam Synchronizing Light Sources	George Neil	1015	1012	7/30/96
5,683,783	Ultra High Vacuum Broad Band High Power Microwave Window	Viet Nguyen-Tuong, H. Fred Dylla	1022	1016	11/4/97
5,343,740	High Sensitivity Leak Detection Method and Apparatus	Ganapati Rao Myneni	1021 (1118 Cebaf)	1017	9/6/94
5,805,620	Beam conditioner for Free Electron Lasers and Synchrotrons	Hongxiu Liu, George R. Neil	1054	1018	9/8/98

PATENT

List of United States Patents. Attachment "A"

PATENT NO.	PATENT NAME	INVENTORS	ATTY. DOCKET NO.	INVENTION No.	DATE AWARDED
5,610,567 and 5,752,645	RF Power Window	Lawrence Phillips, Thomas S. Elliott	1052	1019	3/11/97 5/19/98
5,477,692	Metal Sponge for Cryosorption Pumping Applications	Ganapati Rao Myneni, Peter Kneisel	1062	1024	12/26/95
5,568,532	Examination System Utilizing Ionizing Radiation and a Flexible Radiation Detector Probe	Brian Kross, Stanislaw Majewski, Carl Zorn, Lukasz Majewski	1061	1025	10/22/96
5,960,057	Radiology Utilizing A Gas Multiwire Detector with Resolution Enhancement	S. Majewski, L. Majewski	1080	1027	9/28/99
5,799,124	Illuminating System and Method for Specialized and Decorative Lighting Using Light Guides	R. Wojcik, L. Majewski, C. Zorn, B. Kross, S. Majewski	1095	1028	8/25/98
5,684,908 and 5,896,483	Flexible Liquid Core Light Guide with Focusing and Light Shaping Attachments	B. Kross, S. Majewski, C. Zorn, Lukasz Majewski	1094	1029	11/4/97 4/20/99
5,914,492	Application Accelerator System Having Bunch Control	D.X. Wang, G.A. Krafft	11/40	1033	6/22/99
5,703,281	Ultra High Vacuum Pumping System and High Sensitivity Helium Leak Detector	M.G. Rao	1141	1034/1038	4/21/98

PATENT

List of United States Patents. Attachment "A"

PATENT No.	PATENT NAME	INVENTORS	ATTY. DOCKET No.	INVENTION No.	DATE AWARDED
5,926,943	Braid Shielded RF Bellows	David H. Kashy	1142	1035	7/27/99
5,742,660	Dual Energy Scanning Beam Laminographic X-Radiography	Randy Wojcik, Stan Majewski	1144	1037	4/20/98
5,896,088	An Incipient Fire Detection System	William K. Brooks	1158	1039	4/20/99
5,859,946	Liquid-core Light Guide Designed to Withstand Interior Bubble Formation from Temperature-induced Volumetric Variations	Stan Majewski, Randy Wojcik, Carl Zorn	1159	1040	1/12/99
5,932,797	Sensitive Hydrogen Leak Detector	M.G. Rao	1164	1041	8/3/99
5,864,141	Compact, High-Resolution, Gamma Ray Imaging for Scintimammography and other Medical Diagnostic Applications	D. Steinbach, S. Majewski, A. G. Weisenberger, R. Wojcik	1180	1046	1/26/99
6,003,561	Flexible Cryogenic Conduit	Paul Brindza, Robin Wines, James Takacs	1221	1049	12/21/99
5,964,598	Electrical Apparatus Lockout Device	Rick Gonzales	1241	1055	10/12/99
6,097,153	Superconducting Accelerator Cavity with a Heat Affected Zone having a Higher RRR	Larry Phillips, John Brawley	1254	1057	8/01/00

PATENT

List of United States Patents. Attachment "A"

PATENT No.	PATENT NAME	INVENTORS	ATTY. DOCKET No.	INVENTION No.	DATE AWARDED
6,130,512	RF Capacitively-coupled Electrodeless Light Source	D. Manos, J. Diggs, J.D. Ametepe, Jock A. Fugitt		A0002 *(WM147-1)	10/10/00
6,181,250 B1	Heat Detection System and Method	William K. Brooks	1259	1059	01/30/01
6,271,525 B1	Mini Gamma Camera, Camera System and Method of Use	Randy Wojcik, Stan Majewski, Andrew Weisenberger	1290	1065	8/7/01
6,317,622 B1	Gamma-Ray Blind Beta Particle Probe	Andrew Weisenberger	1288	1066	11/13/01
6,380,545 B1	Uniform Raster Pattern Generating System	Chen Yan	1255	1058	04/30/02
6,389,098 B1	Dual Mode Stereotactic Localization Method and Application	Cynthia Keppel (HU), Fernando J. Barbosa, Stan Majewski, Drew Weisenberger	1345	1080	05/15/02
6,424,693 B1	Slant-Hole Collimator, Dual Mode Stereotactic Localization Method and Apparatus	Andrew Weisenberger	1374	1089	07/23/02
6,448,700 B1	Solid Diamond Field Emitter	Mool Chand Gupta (ODU), Ganapati Rao Myneni		A0001	09/10/02

PATENT

List of United States Patents. Attachment "A"

PATENT NO.	PATENT NAME	INVENTORS	ATTY. DOCKET NO.	INVENTION No.	DATE AWARDED
6,452,185 B1	Method to Correct Energy Determination in Pixellated Scintillation Detectors	Andrew Weisenberger, Stan Majewski	1309	1070	09/17/02
6,483,858 B1	Injection Mode-locking Ti-Sapphire Laser System	Curt Hovater, Matt Poelker	1366	1083	11/19/2002
6,499,774 B1	Radial Wedge Flange Clamp	Karl H. Smith	1393	1093	12/31/2002
6,550,256 B1	Alternative Backing Up Pump for Turbomolecular Pumps	Ganapati Rao Myneni	1289	1067	4/22/2003
6,604,575 B1	Heat Exchange Apparatus	Pavel V. Degtiarenko	1369	1084	8/12/2003
6,607,010 B1	Flexible Collapse-Resistant and Length-Stable Vacuum Hose	David H. Kashy	1392	1092	8/19/2003
6,643,538 B1	Directional Intraoperative Probe	Stan Majewski, Valdimir Popov, George Loutts (NSU)	1344	1079	11/04/2003
6,642,493 B1	Compact Modular, Configurable Base for Position Sensitive Photomultipliers	Fernando Barbosa, Stan Majewski, Juan J. Vaquero (NIH)	1346	1081	11/04/2003
6,642,677 B1	Linac Focused by Graded Gradient	David R. Douglas	1496	1104	11/04/2003

PATENT

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List of United States Patents. Attachment "A"

PATENT NO.	PATENT NAME	INVENTORS	ATTY. DOCKET NO.	INVENTION NO.	DATE AWARDED
6,714,346 B1	Method and Apparatus for THz Radiation Power Enhancement	George R. Neil, Gwyn P. Williams	1625	1148	3/30/2004
6,737,655 B1	Passive, Achromatic, Nearly Isochronous Bending System	David R. Douglas, Byung C. Yunn	1608	1133	5/18/2004
6,740,859 B1	Fractional Subtraction Resistive for Position Sensitive Photo-Multiplier	Randolph F. Wojcik	1472	1108	5/25/2004
6,747,263 B1	Matrix Output Device Readout System	Vladimir Popov	1299	1064	6/08/2004
6,750,456 B1	Optical Coupler	Stan Majewski, Andrew Weisenberger	1343	1078	6/15/2004
6,753,662 B1	Intense and Compact THz Radiation Source	Geoffrey A. Krafft	1578	1122	6/22/2004
6,791,269 B1	Active Photomultiplier Tube Base	Vladimir Popov	1373	1088	9/14/2004
6,804,325 B1	Method for Position Emission Mammography Image Reconstruction	Mark F. Smith	1550	1121	10/12/2004
6,809,291 B1	Process for Laser Machining and Surface Treatment	Michelle Shinn, George R. Neil	1470	1107	10/26/2004
6,844,688 B1	Multi-Watt THz Generator	Gwyn P. Williams, George Neil	1579	1123	01/18/2005

PATENT

REEL: 017783 FRAME: 0911

List of United States Patents. Attachment "A"

PATENT NO.	PATENT NAME	INVENTORS	ATTY. DOCKET NO.	INVENTION No.	DATE AWARDED
6,844,806 B1	High Voltage Load Resistor Array	Monty Lehmann	1639	1150	01/18/2005
6,847,838 B1	Apparatus and Method for High Dose Rate Brachytherapy Radiation Treatment	Daniel J. Macey (U of Alabama), Stan Majewski, Brian Kross, Andrew Weisenberger	1333	1077	01/25/2005
6,885,008 B1	Achromatic Recirculated Chicane with Fixed Geometry and Independently Variable Path Length and Momentum Compaction	David R. Douglas, George R. Neil	1580	1124	04/26/2005
6,904,957 B1	Cooled Particle Accelerator Target	Pavel V. Degtiarenko	1370	1086	06/14/2005
6,943,964 B1	Single Element Laser Beam Shaper	Shukai Zhang, Michelle Shinn	1664	1153	09/13/2005
6,956,218 b1	Compaction Managed Mirror Bend Achromat	David Douglas	1683	1159	10/18/2005
6,967,336 B1	System for Precise Position Registration	Ronald M Sundelin, Tong Wang	1602	1130	11/22/2005
6,986,585 B1	Radius of Curvature Controlled Mirror	George Neil, John Rathke, Thomas Schultheiss, Michelle Shinn, Lawrence Dillon-Townes	1534	1118	01/17/2006

PATENT

List of United States Patents. Attachment "A"

PATENT NO.	PATENT NAME	INVENTORS	ATTY. DOCKET NO.	INVENTION No.	DATE AWARDED
7,002,147 B1	A Highly Sensitive Vacuum Ion Pump Current Measurement Device for Monitoring Ultra-high Vacuum	John C. Hansknecht	1682	1158	02/21/2006

List of United States Patent Applications by Serial Number. Attachment "B"

Serial No	File Date	Docket No.	Title	Cross Ref No.
09/590,055	0/16/2000	1411(SURA)	Electronic Stockroom and Catalog	1091
10/188,525	7/3/2002	1569(SURA)	Laser Ablation for the Synthesis of Carbon Nanotubes	1127
10/341,715	1/14/2003	1424(SURA)	Anatomic and Functional Imaging of Tagged Molecules in Animals	1101
10/412,990	4/14/2003	1605(SURA)	Nuclear Cargo Detector	1134
10/663,276	9/16/2003	1622(SURA)	Solicitation Bulletin Board	1143
10/713,992	1/14/2003	1621(SURA)	Dynamic Uptake Lesion Analysis	1142
10/731,808	12/9/2003	1403(SURA)	Optimized Dedicated Compact Gamma Camera System for Scintimammography	1095
10/755,935	1/13/2004	1417(SURA)	Digital Public Address System	1100
10/779,974	2/17/2004	1469(SURA)	Event Transfer System	1106
10/945,408	9/20/2004	1603(SURA)	Linear Beam Raster Magnet Driver based on H-Bridge Technique	1131
10/957,763	10/4/2004	1628(SURA)	Measuring Position, Size and Intensity of Particle Beams	1144
10/961,552	10/8/2004	1684(SURA)	Method to Improve Cancerous Lesion Detection	1136

Serial No	File Date	Docket No.	Title	Cross Ref No
11/003,478	12/3/2004	1685(SURA)	Dual Design Resistor	1152
11/010,905	2/13/2004	1627(SURA)	Superstructure for High Current Applications in Superconducting Linear Accelerators	1149
11/053,367	2/8/2005	1741(SURA)	SPECT Imaging Using Opposing...	1097
11/076,832	3/10/2005	1748(SURA)	Helium Process Cycle	1180
11/099,247	4/5/2005	1742(SURA)	Large Grain Cavities from Pure Niobium Ingot	1175
11/168,198	6/28/2005	1757(SURA)	Passivated Niobium Cavities	1174
11/204,536	8/16/2005	1760(SURA)	Method for the Production of Wideband THz Radiation	1186
11/209,284	8/23/2005	1758(SURA)	Cryogenic Vacuum RF Feedthrough Device	1176
60/715,097	9/8/2005	1790(SURA)	Voltage Verification Unit	1182
11/225,619	9/13/2005	1761(SURA)	Use of Incomplete Energy Recovery for the Energy Compression of Large Energy Spread Char	1187
11/267,730	11/4/2005	1788(SURA)	Helium Process Cycle	1160(CIP)
11/270,714	11/9/2005	1619(SURA)	Method for Determining Hydrogen Mobility as a Function of Temperature in Superconducting Ni	1140
11/358,270	2/21/2006	1791(SURA)	Simultaneous Multi-Headed Imager Geometry Calibration Method	1196
11/366,237	3/2/2006	1681(SURA)	Serpentine Metal Gasket	1156

PATENT

REEL: 017783 FRAME: 0915

Assignment of Patents and Applications for Patents

Whereas Southeastern Universities Research Association, Inc. is the owner, by assignment of at least some of the inventors, of the United States Patents listed on Attachment "A" hereof and the Applications for United States Patents listed on Attachment "B" hereof and the inventions covered thereby.

Whereas Jefferson Science Associates, LLC is desirous of acquiring by Assignments said United States Patents listed on Attachment "A" and said Applications for United States Patents listed on Attachment "B" and the inventions covered thereby.

Now, Therefore, to All Whom It May Concern, Be it known that for full and valuable consideration the said Southeastern Universities Research Association, Inc. has sold, assigned, transferred and set over, and does hereby sell, assign, transfer, and set over to the said Jefferson Science Associates, LLC the said inventions and the said United States Patents and the said Applications for United States Patents, the same to be held and enjoyed by the said Jefferson Science Associates, LLC for its own use and behoof, and for the use and behoof of its successors, assigns, or other legal representatives, to the end of the term or terms of which said United States Patents and said Applications for United States Patents are or may be granted fully and entirely as the same would have been held and enjoyed by the said Southeastern

Universities Research Association, Inc., if this assignment and sale had not been made; together with all claims for damages by reason of past infringement of said United States Patents with the right to sue for, and collect the same for its own use and behoof, and for the use and behoof of its successors, assigns, or other legal representatives.

And said Southeastern Universities Research Association, Inc. hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith.

In Testimony Whereof, Southeastern Universities Research Association, Inc. has caused these presents to be signed by its President and CEO Jerry P. Draayer, thereunto duly authorized, and witnessed effective June 1, 2006.

By
(Signature)

Jerry P. Draayer
President and CEO

Witnessed By
(Signature)

ELIZABETH L. LAWSON
(Printed Name)