

## PATENT ASSIGNMENT

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|--|------------------------------|
| SUBMISSION TYPE:   | NEW ASSIGNMENT               |
| NATURE OF CONVEYANCE:  | MERGER                       |
| EFFECTIVE DATE:  | 01/01/2011                   |
| CONVEYING PARTY DATA   |                              |
| Name   | Execution Date               |
| Sarnoff Corporation  | 02/04/2011                   |
| RECEIVING PARTY DATA   |                              |
| Name:  | SRI International            |
| Street Address:  | 333 Ravenswood Avenue        |
| City:  | Menlo Park                   |
| State/Country:   | CALIFORNIA                   |
| Postal Code:   | 94025                        |
| PROPERTY NUMBERS Total: 2  |                              |
| Property Type  | Number                       |
| Patent Number:   | 7723215                      |
| Patent Number:   | 7034863                      |
| CORRESPONDENCE DATA  |                              |
| Fax Number:  | 6097342870                   |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> |                              |
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| Email:   | laleh.shayesteh@sri.com      |
| Correspondent Name:  | Laleh Shayesteh              |
| Address Line 1:  | 333 Ravenswood Avenue        |
| Address Line 4:  | Menlo Park, CALIFORNIA 94025 |
| ATTORNEY DOCKET NUMBER:  | 14428-15481A                 |
| NAME OF SUBMITTER:   | Laleh Shayesteh              |
| Signature:   | /s/                          |

Date:

05/23/2013

**Total Attachments: 5**

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## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT ("Assignment") is made by and among **Sarnoff Corporation**, a company incorporated under the laws of New Jersey (United States of America), with a registered office at 201 Washington Road, Princeton, NJ-08543, New Jersey, USA ("Assignor" or "Sarnoff"), in favor of **SRI International**, a California nonprofit public benefit corporation with a registered office at 333 Ravenswood Avenue Menlo Park, CA 94025-3453 ("Assignee" or "SRI"),

WHEREAS, SRI wishes to acquire, and Sarnoff wishes to assign, all of Sarnoff's right, title and interest in and to the United States patent applications and patents set forth in Exhibit A and foreign patent applications and patents set forth in Exhibit B, attached hereto (collectively, the "Patents").

NOW, THEREFORE, pursuant to the Transfer Agreement entered into on January 1, 2011 by Sarnoff and SRI, attached hereto as Exhibit C, and in consideration of good and valuable consideration, the receipt of which is acknowledged in the Transfer Agreement, Sarnoff hereby fully transfers and assigns to SRI, who accepts, all its title, interest and rights, subject to any and all licenses and/or co-ownership rights existing at the effective date of the Transfer Agreement, the Patents, in the United States and for all foreign countries, including any reissues, divisions, continuations, continuations-in-part, reexaminations, extensions, revisions or improvements thereof and foreign equivalents thereof, and including the subject matter of all claims that may be obtained therefrom, for SRI's own use and enjoyment, and for the use and enjoyment of SRI's successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Sarnoff if this Assignment and transfer had not been made together with all income, royalties, damages or payments due or payable as of the date hereof or thereafter, including, without limitation, (a) all rights, interests, claims and demands recoverable in law or equity that Sarnoff has or may have in profits and damages by reason of past, present or future infringement or other unauthorized use of the Patents, with the right to sue for, and collect the same for SRI's own use and enjoyment, and for the use and enjoyment of SRI's successors, assigns, or other legal representatives and (b) all rights to apply for registrations in foreign countries that Sarnoff has or may have with respect to

any of the foregoing with full benefit of such priorities as may now or hereafter be granted to it by law or treaty, including any international convention.

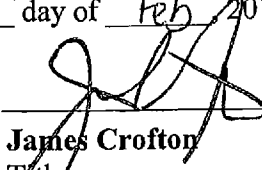
Sarnoff authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue patents on applications as aforesaid, to record SRI as owner/co-owner of the Patents, including any reissues, divisions, continuations, continuations-in-part, revisions, extensions or reexaminations thereof, and to issue all letters patent of the United States, and foreign countries, thereon to SRI, as assignee of its entire right, title and interest in, to and under the same, for the sole use and enjoyment of SRI, its successors, assigns or other legal representatives.

At any time or from time to time after the execution date hereof, a former representative of Sarnoff shall, at the request of SRI, execute and deliver any further instruments or documents and take all such further action as SRI may reasonably request in order to evidence the consummation of this Assignment.

Except as otherwise provided in this Assignment, this Assignment shall be governed by the terms and conditions set forth in the Transfer Agreement entered into as of January 1, 2011 by the Sarnoff and SRI.

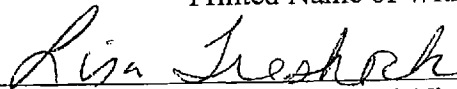
**--SIGNATURES APPEAR ON THE NEXT PAGE--**

IN TESTIMONY WHEREOF, the Assignor has caused this Assignment to be signed and executed by the undersigned officer of Sarnoff at the time of the Transfer Agreement thereunto duly authorized this 21<sup>st</sup> day of Feb 2011.

  
\_\_\_\_\_  
**James Crofton**  
Title:  
Sarnoff Corporation  
"Assignor"/"Sarnoff"

Lisa Treshock


Printed Name of Witness

  
\_\_\_\_\_  
Signature of Witness

2/4/11

Date

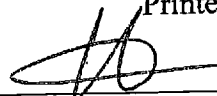
IN TESTIMONY WHEREOF, the Assignee has caused this Assignment to be signed and executed by the undersigned officer thereunto duly authorized this 28 day of January 2011.

  
\_\_\_\_\_  
**Thomas J. Furst**  
Title: Senior Vice President of Finance  
SRI International

"Assignee"/"SRI"

CATHERINE A. LESSER

Printed Name of Witness

  
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Signature of Witness

1/28/11

Date

EXHIBIT A  
U.S. PATENTS APPLICATIONS AND PATENTS

| Atty. Ref. No. | Country | Patent Appl. No. | Filing Date (mm/dd/yy) | Patent No. (if applicable) | Title   |
|----------------|---------|------------------|------------------------|----------------------------|---|
| 18703-0434     | US      | 10/104752        | 03/22/02               | 6,670,745                  | Cathode Ray Tube Deflection Yoke  |
| 18703-0436     | US      | 10/160782        | 05/30/02               | 6,653,009                  | Improved Solid Oxide Fuel Cells And Interconnectors                         |
| 18703-0437     | US      | 10/124337        | 04/17/02               | 7,006,151                  | Video Streams For Closed Caption Testing And The Like                       |
| 18703-0438     | US      | 10/818,307       | 04/05/04               | 7,599,524                  | Method And Apparatus For Providing A Robust Object Finder                   |
| 18703-0439     | US      | 10/134358        | 04/26/02               | 6,674,950                  | Optical Waveguide Crossing And Method Of Making Same                        |
| 18703-0440     | US      | 10/134672        | 04/26/02               | 6,788,721                  | Photonic Integrated Circuit (PIC) And Method For Making Same                |
| 18703-0441     | US      | 10/124335        | 04/17/02               | 7,034,863                  | Video Streams For Closed Caption Testing And The Like                       |
| 18703-0442     | US      | 10/845820        | 05/14/04               | 7,230,244                  | Method And Apparatus For The Detection Of Terahertz Radiation Absorption    |
| 18703-0447     | US      | 10/383446        | 03/07/03               | 6,765,442                  | RF Pulse Power Amplifier  |
| 18703-0449     | US      | 10/386252        | 03/11/03               | 7,130,178                  | Corona Charging Device And Methods  |
| 18703-0450     | US      | 10/315291        | 12/09/02               | 6,847,728                  | Dynamic Depth Recovery From Multiple Synchronized Video Streams             |
| 18703-0451     | US      | 10/191397        | 07/08/02               | 7,509,241                  | Method And Apparatus For Automatically Generating A Site Model              |
| 18703-0457     | US      | 10/366441        | 02/13/03               | 7,592,276                  | Woven Electronic Textile, Yarn and Article                                  |
| 18703-0458     | US      | 10/431763        | 05/08/03               | 7,144,830                  | Plural Layer Woven Electronic Textile, Article And Method                   |
| 18703-0464     | US      | 10/383380        | 03/07/03               | 7,008,547                  | Solid Phase Sensors   |
| 18703-0465     | US      | 10/216936        | 08/12/02               | 6,888,984                  | Amorphous Silicon Alloy Based Integrated Spot-Size Converter                |
| 18703-0470     | US      | 10/809471        | 03/25/04               | 7,380,938                  | Apparatus To Detect And Measure Saccade And Pupillary Changes               |
| 18703-0471     | US      | 10/792073        | 03/03/04               | 7,366,361                  | Video Registration Based On Local Prediction Errors                         |
| 18703-0476     | US      | 10/763982        | 01/23/04               | 6,943,892                  | Instrument Having A Multi-Mode Optical Element And Method                   |
| 18703-0477     | US      | 10/763999        | 01/23/04               | 6,836,597                  | Scannable Mirror Arrangement For An Interferometer                          |
| 18703-0480     | US      | 10/638984        | 08/12/03               | 7,385,626                  | Method And System For Performing Surveillance                               |
| 18703-0482     | US      | 10/798726        | 03/11/04               | 7,359,526                  | Method And Apparatus For Determining Camera Pose From Point Correspondences |

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EXHIBIT A  
U.S. PATENTS APPLICATIONS AND PATENTS

| Arty. Ref. No. | Country | Patent Appl. No. | Filing Date (mm/dd/yy) | Patent No. (if applicable) | Title   |
|----------------|---------|------------------|------------------------|----------------------------|---|
| 18703-1366     | US      | 09/384118        | 08/27/99               | 6,269,175                  | Method And Apparatus For Enhancing Regions Of Aligned Images Using Flow Estimation  |
| 18703-1369     | US      | 09/837407        | 04/18/01               | 6,430,304                  | Method And Apparatus For Processing Images  |
| 18703-1370     | US      | 09/888693        | 06/25/01               | 6,490,364                  | Apparatus For Enhancing Images Using Flow Estimation  |
| 18703-1385     | US      | 09/804978        | 03/13/01               | 7,113,611                  | Disposable Modular Hearing Aid  |
| 18703-1405     | US      | 09/524040        | 03/13/00               | 7,092,543                  | One-Size-Fits-All Uni-Ear Hearing Instrument  |
| 18703-1421     | US      | 09/804983        | 03/13/01               | 6,865,279                  | Hearing Aid With Flexible Shell   |
| 18703-1436     | US      | 09/804981        | 03/13/01               | 7,082,206                  | A Flexible Hearing Aid Tip With An Integral Receiver  |
| 18703-1568     | US      | 11/510,197       | 08/25/06               | 7,751,598                  | Methods and systems for biometric identification  |
| 18703-1609     | US      | 11/521,109       | 09/14/06               | 7,760,911                  | Method and System for Segment-Based Optical Flow Estimation   |
| 18703-1619     | US      | 11/540,454       | 09/29/06               | 7,651,553                  | Ballast Circuit for Electrostatic Particle Collection Systems   |
| 18703-1647     | US      | 11/562,455       | 11/22/06               | 7,622,998                  | SOLID STATE INTRA-CAVITY ABSORPTION SPECTROMETER  |
| 18703-1675     | US      | 11/599,774       | 11/14/06               | 7,764,396                  | CMOS image sensor having hybrid pixel arrays  |
| 18703-1685     | US      | 11/752,601       | 05/23/07               | 7,723,215                  | SOI For Back Illuminated CCD/CMOS Imagers   |
| 18703-1716     | US      | 11/867,064       | 10/04/07               | 7,547,622                  | Fabrication of CCD Image Sensors Using Single Layer Poly-Silicon  |
| 18703-1729     | US      | 11/688,433       | 03/20/07               | 7,616,816                  | Mission-Driven Visual Information Retrieval And Re-Organization   |
| 18703-1730     | US      | 11/780,109       | 07/19/07               | 7,853,072                  | System and Method for Detecting Still Objects in Images   |
| 18703-1733     | US      | 11/678,109       | 02/23/07               | 7,423,905                  | A Read-Only Memory Architecture Using Resistive Elements  |
| 18703-1742     | US      | 12/020,640       | 01/28/08               | 7,622,342                  | Method of Fabricating Back-Illuminated Imaging Sensors  |
| 18703-1748     | US      | 11/695,755       | 04/03/07               | 7,835,578                  | An Automated Video To Text To Speech System   |
| 18703-1751     | US      | 11/736,657       | 04/18/07               | 7,468,637                  | Batch-Fabricatable RF-Interrogated, End-Transition, Chip-Scale Atomic Clock   |
| 18703-1753     | US      | 11/863,945       | 09/28/07               | 7,755,685                  | Electron Multiplication CMOS Imager   |
| 18703-1760     | US      | 11/779,414       | 07/18/07               | 7,541,256                  | A Method to Fabricate Thinned Back Illuminated Imagers Using Bump Bonding Technique   |
| 18703-1794     | US      | 11/832,193       | 08/01/07               | 7,808,182                  | Approach for fabrication of a Field Emitter Array (FEA) electron source integrated with a self aligned LIGA grating for a chip scale terahertz radiation source |

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