

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 Ave.
City:	Menlo Park
State/Country:	CALIFORNIA
Postal Code:	94025

PROPERTY NUMBERS Total: 5

Property Type	Number
Application Number:	11532897
Application Number:	11662841
Application Number:	12332661
Application Number:	12489667
Application Number:	12758208

CORRESPONDENCE DATA

Fax Number: (609)734-2870
 Phone: 650-859-3564
 Email: laleh.shayesteh@sri.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
 Correspondent Name: Laleh Shayesteh
 Address Line 1: 333 Ravenswood Ave.
 Address Line 4: Menlo Park, CALIFORNIA 94025

ATTORNEY DOCKET NUMBER: 15348 AND OTHERS

PATENT

501664838

REEL: 026939 FRAME: 0420

CH \$200.00 11532897

NAME OF SUBMITTER:

Laleh Shayesteh

Total Attachments: 8

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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.

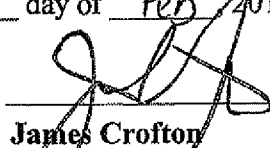
Sarnoff authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue patents on applications as aforesaid, to record SRI as owner/co-owner of the Patents, including any reissues, divisions, continuations, continuations-in-part, 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 4th day of Feb 2011.



James Crofton
Title:
Sarnoff Corporation
"Assignor"/"Sarnoff"

Lisa Treshock

Printed Name of Witness


Lisa Treshock

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.

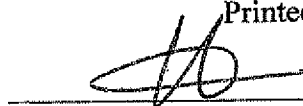


Thomas J. Furst
Title: Senior Vice President of Finance
SRI International

"Assignee"/"SRI"

CATHERINE A. LESSEL

Printed Name of Witness



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
18703-2077	US	61/303,818	02/12/10		Parallax-Free Optical System/Camera
18703-2081	US	61/320,798	04/05/10		Parallax-Free Optical System/Camera
18703-0034	US	90/0066003	05/09/01		Pixel Array Having Image Forming Pixel Elements Integral With Peripheral Circuit Elements
18703-0264	US	09/722731	11/28/00		Computational Protein Probing To Identify Binding Sites
18703-0272	US	08/702923	08/26/96		Method And Apparatus For Acquiring Images of Irises For Use In Biometric Verification And Recognition
18703-1312	US	09/428899	10/28/99		Transducer Concepts For Hearing Aids And Other Devices
18703-1362	US	10/688099	10/17/03		Hearing Aid
18703-1363	US	10/880864	06/30/04		Hearing Aid
18703-1364	US	09/679961	10/05/00		Metal-Air Battery Device
18703-1420	US	09/808909	03/13/01		Hearing Aid Format Selector
18703-15441	US	11/351278	02/09/06		System And Method For The Electrostatic Detection And Identification Of Threat Agents
18703-1653	US	11/507932	08/22/06		Disposable Modular Hearing Aid
18703-1767	US	12/600,821	04/20/10		Ultrasound-Matter Systems
18703-1770	US	12/600,825	04/20/10		Channel Cell System
18703-1792	US	11/832,435	08/01/07		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
18703-1805	US	11/837,114	08/10/07		Vehicular Vision System
18703-2051	US	61/216,572	05/18/09		Slab Scintillator With Integrated Two-Sided Photoreceiver
18703-2052	US	61/187,435	06/16/09		Portable Photovoltaics With Scalable Integrated Concentrator of Light Energy
18703-2074	US	61/297,516	01/22/10		Marker-less Computation of 3-D Volume of Food
18703-2076	US	61/301,807	02/05/10		Real-Time Pedestrian Detection for Urban Driving
18703-2078	US	12/758,208	04/12/10		Method For Computing Food Volume Without A Marker in a Method for Analyzing Food
18703-2079	US	12/844,054	07/27/10		Substrate Bias for CMOS Imagers
18703-2080	US	61/311,053	03/05/10		Vehicle Detection and Tracking in Wide Field-of-View Aerial Video
18703-2082	US	12/785,070	05/21/10		Portable Photovoltaics With Scalable Integrated Concentrator of Light Energy



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18703-2116	US	12/980,590	12/29/10		Improved System and Method of Processing Stereo Images
18703-2120	US	61/421,943	12/10/10		Dual Band Parallax Free Fused, Low Latency Hyper Hemispherical Remote Vision System
18703-2121	US	61/422,120	12/10/10		System and Method for 360 Degree Local Situation Awareness
18703-2121	US	61/424,284	12/17/10		System and Method for 360 Degree Local Situation Awareness
18703-2122	US	61/426,707	12/23/10		3D Alignment and Change Detection from Uncalibrated Eye Images
18703-2123	US	61/426,720	12/23/10		Automatic Blood Vessel Localization in Small Field of View Eye Images
18703-0320	US	09/774346	01/31/01		Pharmaceutical Product And Method Of Making
18703-0536	US	09/925348	08/09/01		Improved Solid Pharmaceutical Dosage Formulation Of Hydrophobic Drugs
18703-0562	US	11/149,687	05/10/05		Method And Apparatus For Testing Stereo Vision Methods Using Stereo Imagery Data
18703-0566	US	11/159,969	06/22/05		Method And Apparatus For Recognizing 3-D Objects
18703-0567	US	11/200,869	08/10/05		Method And System For Performing Adaptive Image Acquisition
18703-0572	US	11/192,486	07/28/05		Method And Apparatus For Total Situational Awareness And Monitoring
18703-0575	US	11/206,678	08/18/05		Automated Trainee Monitoring And Performance Evaluation System
18703-0687	US	11/325,840	01/05/06		System And Method For Evaluating Predictive Video Decoders
18703-0770	US	11/429865	05/08/06		Method And Apparatus For Ground Detection And Removal In Vision Systems
18703-0805	US	11/401,990	04/10/05		Macro-Block Based Mixed Resolution Video Compression System
18703-0808	US	12/186,702	08/06/08		System and Method for Detecting and Tracking an Object of Interest in Spatio-Temporal Space
18703-1588	US	11/532,897	09/18/06		System and method for multi-camera visual odometry

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Atty. Ref. No.	Country	Patent Appl. No.	Filing Date (mm/dd/yy)	Patent No. (if applicable)	Title
18703-1610	US	11/521,830	09/15/06		Methods and Systems for Mixed Spatial Resolution Video Compression
18703-1616	US	11/524,134	09/20/06		METHOD AND APPARATUS FOR PERFORMING COORDINATED MULTI-PTZ CAMERA TRACKING
18703-1652	US	11/498,530	08/03/06		Hearing Aid With Large Diaphragm Microphone Element Including a Printed Circuit Board
18703-1658	US	12/091,875	10/30/06		ERRORS VISIBILITY ENHANCEMENT METHODS FOR VIDEO TESTING
18703-1683	US	11/561,887	11/20/06		Systems and Methods for Digital Stream Denoising
18703-1688	US	11/949,433	12/03/07		Unified Framework for Precise Vision Aided Navigation
18703-1701	US	11/662,841	07/25/08		Method and Apparatus for Capture and Distribution of Broadband Data
18703-1749	US	11/763,559	06/15/07		Moving Target Indication In The Presence Of Strong Parallax
18703-1750	US	11/739,068	04/23/07		Object Detection And Tracking And Roadway Awareness Using Stereo Cameras
18703-1763	US	11/762,400	06/13/07		Learning Exemplar-Based Categorization for the Detection of Multi-View Multi-Pose Objects
18703-1806	US	11/852,632	09/10/07		An integrated sensor processor for high performance video imaging
18703-1823	US	11/873,151	10/16/07		New statistical method for scene-based nonuniformity corrections
18703-1824	US	11/860,650	09/25/07		Long baseline structure from motion for passive mid-range sensing
18703-1834	US	11/943,645	11/21/07		Camcorder Jamming Techniques Using High Frame Rate Displays
18703-1845	US	12/128,890	05/29/08		Gain Matching for Electron Multiplication Imager
18703-1851	US	11/934,417	11/02/07		Electrochemical Power Source Designs And Components
18703-1862	US	12/203,322	09/03/08		Camera Egomotion Estimation in Infra-Red Image Sequence for Night Vision
18703-1866	US	12/138,027	06/12/08		Building Segmentation for Densely Built Urban Using Aerial LIDAR Data



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18703-1898	US	12/132,721	06/04/08		Method and Device For Reducing Crosstalk In Back Illuminated Imagers
18703-1904	US	12/146,897	06/26/08		A Radar Guided Vision System for Vehicle Validation and Vehicle Motion Characterization
18703-1905	US	12/121,068	05/15/08		Alkali Metal Dispenser and Pump
18703-1907	US	12/136,138	06/10/08		Exemplar-Based Heterogeneous Compositional Method for Object Classification
18703-1925	US	12/132,059	06/03/08		Video Compression Test Pattern
18703-1949	US	12/186,863	08/06/08		Method and Apparatus for Intelligent and Autonomous Video Content Generation and Streaming
18703-1959	US	12/271,173	11/14/08		Method For Building and Extracting Entity Networks From Video
18703-1960	US	12/332,661	12/11/08		Creating a Geospatial and Visual Information Ontology for Analysts
18703-1977	US	12/262,463	10/31/08		A Video-Fingerprinting Based Technological Solution to Combat Video Piracy on the Internet
18703-1989	US	12/275,781	11/21/08		A Multi-Scale Multi-Camera Adaptive Fusion with Contrast Normalization
18703-2001	US	12/466,795	05/15/09		Method to Electrically Pinning a Back Surface of a Back-Illuminated Imager Fabricated on a UTSOI Wafer
18703-2004	US	12/464,979	05/13/09		High-Efficiency Thinned Imager with Reduced Boron Updiffusion
18703-2015	US	12/352,192	01/12/09		Stereo and Single Image Quality Measures
18703-2038	US	12/390,669	02/23/09		Channel Cell System
18703-2039	US	12/404,043	03/13/09		A Method For Propagating Data Through A Video Stream
18703-2040	US	12/410,602	03/25/09		Collision Avoidance Method and System Using Stereo Vision and Radar Sensor Fusion
18703-2044	US	12/431,150	04/28/09		A Method to Fabricate Thinned Back Illuminated Imagers Using Bump Bonding Technique
18703-2045	US	12/464,369	05/12/09		Image Sensor with Integrated Region of Interest Calculation for Iris Capture, Autofocus and Gain Control
18703-2048	US	12/486,316	06/17/09		Method and Apparatus for Detecting Targets Through Temporal Scene Changes



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18703-2049	US	12/488,911	06/22/09		Real-Time Action Detection and Classification
18703-2050	US	12/489,667	06/23/09		A System and Method for Multi-Agent Event Detection and Recognition
18703-2056	US	12/606,581	10/27/09		System and Method for generating a Mixed Reality Environment
18703-2065	US	12/578,440	10/13/09		System and Method of Detecting Objects
18703-2067	US	12/579,623	10/15/09		Method of Fabricating Back-Illuminated Imaging Sensors
18703-2068	US	12/604,298	10/22/09		System and Method for Object Detection from a Moving Platform
18703-2069	US	12/644,707	12/22/09		High-Quality Region-Of-Interest Compression Using Commercial Off-the-Shelf Encoders
18703-2071	US	12/695,533	01/28/10		Method and System For Performing Data Integrity Verification of a Transport Stream
18703-2072	US	12/683,124	01/06/10		Food Recognition Using Visual Analysis and Speech Recognition
18703-2075	US	12/704,189	02/11/10		Active Coordinated Tracking For Multi-Camera Systems
18703-2084	US	12/766,219	04/23/10		Weapon Identification Using Acoustic Signatures in Varying Capture Conditions
18703-2090	US	12/760,895	04/15/10		Dark Current Reduction in Back-Illuminated Imaging Sensors
18703-2092	US	12/770,118	04/29/10		Methods and systems for biometric identification
18703-0150	US	08/864322	05/28/97	6,137,834	Method And Apparatus For Splicing Compressed Information Streams
18703-0151	US	08/996871	12/23/97	6,038,000	Information Stream Syntax for Indicating The Presence Of A Splice Point
18703-0157	US	09/631229	08/02/00	7,020,353	Extended Dynamic Range Imaging System And Method
18703-0182	US	08/864326	05/28/97	6,101,195	Timing Correction Method And Apparatus
18703-0184	US	08/864325	05/28/97	6,061,399	Method And Apparatus For Information Stream Frame Synchronization
18703-0404	US	10/216918	08/12/02	6,985,163	Color Display Device
18703-0591	US	11/224909	09/13/05		Sensor For Sensing An Electric Field
18703-0592	US	11/224910	09/13/05		Method For Sensing An Electric Field
18703-0680	US	60/728168	10/19/05		Stray Voltage Detector With Video GUI



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