## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2985949

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HARPREET SINGH SAWHNEY	08/04/2014
JAYAKRISHNAN ELEDATH	08/04/2014
MAYANK BANSAL	08/04/2014
BOGDAN C. MATEI	08/04/2014
XUTAO LV	08/04/2014
CHAITANYA DESAI	08/02/2014
TIMOTHY SHIELDS	08/04/2014

#### **RECEIVING PARTY DATA**

Name:	SRI INTERNATIONAL
Street Address:	333 RAVENSWOOD AVENUE
City:	MENLO PARK
State/Country:	CALIFORNIA
Postal Code:	94025

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14452237

### **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: adonaldson@btlaw.com

Correspondent Name: BARNES & THORNBURG LLP
Address Line 1: 11 S. MERIDIAN STREET

Address Line 4: INDIANAPOLIS, INDIANA 46204

ATTORNEY DOCKET NUMBER:	55434-229796
NAME OF SUBMITTER:	CHRISTINE ORICH
SIGNATURE:	/Christine Orich/
DATE SIGNED:	08/18/2014

**Total Attachments: 7** 

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REEL: 033556 FRAME: 0001

PATENT

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This document is be	eing submitted for dual purposes	Attorney Docket No Client Reference No	
	DECLARATION (37 CFR 1.63) FO ATION DATA SHEET (37 CFR 1.7		
Title of Invention	Multi-Dimensional Realization of Vis	sual Content of an Image Collec	tion Page 1 of 7
As the below-named i	nventor, I hereby declare that:		
This declaration is dir the attached United State	•	n No	
The above-identified a	application was made or authorized to be made	by me.	
I believe that I am the	original inventor or an original joint inventor of	of a claimed invention in this applicat	ion.
is desirous of acquiring	corporation (herei wood Ave., Menlo Park, California 94025 ng the entire right, title, and interest in and to and in and to any Letters Patent that may be g		d any inventions disclosed therein
ASSIGNEE, the full a (including the right to Arrangements from th therefrom in the Unite	, for good and valuable consideration, the suffi- ind exclusive right to the invention in the Unite claim priority under the terms of the Internation in application) and the entire right, title, and international states and its territorial possessions and in an international sufficient states and its territorial possessions and in an international sufficient su	ed States and its territorial possessions onal Convention and other relevant In- perest in and to any and all Letters Pat-	s and in all foreign countries ternational Treaties and ent which may be granted
to issue any and all of same, for the sole use granted, as fully and e	if request the Patent Office officials in the Unite said Letters Patent, when granted, to ASSIGN and benefit of ASSIGNEE, its successors and ntirely as the same would have been held by mo convey the interest herein assigned, and that the	EE as the assignee of my entire right, assigns, to the full end of the term for the had this assignment and sale not be	title. and interest in and to the which said Letters Patent may be sen made and hereby covenants
any legal proceeding, substitute, renewal, an to ASSIGNEE, make	municate to ASSIGNEE or its representatives cooperate in every way possible in obtaining end reissue applications, execute all necessary as all rightful oaths, and generally do everything prior for the INVENTION in the United States as	vidence, sign all lawful papers, execusignment papers to cause any and all possible to aid ASSIGNEE, its successible to aid ASSIGNEE,	te all divisional, continuation, of the Letters Patent to be issued ssors and assigns, to obtain and
	rney of record the power to insert on this assig th the rules of the United States Patent and Trac		
I hereby acknowledge of not more than five (	that any willful false statement made in this do	eclaration is punishable under 18 U.S.	.C. 1001 by fine or imprisonment
LEGAL NAME OF	INVENTOR: Harpreet Singh	Sawhney	
Signature:	HXA	8/4	1/2014
STATE OF NO.	De recy		•
COUNTY OF	SS:	4	
Acknowledged before m	e, a Notary Public in and for said County and State, 1	his 4th day of August	2014
Notary Public Signature:		Printed Name:	
My Commission Expires	PATRICIA A. BENNETT	County of Residence:	Mercer

My Commission Expires 1/31/2017

This document is	being submitted for dual purposes	Attorney Docket No Client Reference No	
	D DECLARATION (37 CFR 1.63) FO CATION DATA SHEET (37 CFR 1.7		
Title of Invention	Multi-Dimensional Realization of Vi	isual Content of an Image Collec	tion Page 2 of 7
As the below-named	l inventor, I hereby declare that:		
This declaration is d		on No	<b>,</b>
The above-identified	l application was made or authorized to be made	e by me,	
I believe that I am th	e original inventor or an original joint inventor	of a claimed invention in this applicat	ion.
is desirous of acquir	corporation (here swood Ave., Menlo Park, California 94025 ring the entire right, title, and interest in and to any Letters Patent that may be g		d any inventions disclosed therein
ASSIGNEE, the full (including the right the Arrangements from therefrom in the Unit	E, for good and valuable consideration, the suffi- and exclusive right to the invention in the Unit to claim priority under the terms of the Internati- the application) and the entire right, title, and in ted States and its territorial possessions and in a ns, substitutions, and renewals thereof.	ed States and its territorial possessions onal Convention and other relevant In terest in and to any and all Letters Pat	s and in all foreign countries ternational Treaties and ent which may be granted
to issue any and all of same, for the sole us granted, as fully and	nd request the Patent Office officials in the Unit of said Letters Patent, when granted, to ASSIGN e and benefit of ASSIGNEE, its successors and entirely as the same would have been held by not convey the interest herein assigned, and that	WEE as the assignee of my entire right, assigns, to the full end of the term for ne had this assignment and sale not be	title. and interest in and to the which said Letters Patent may be sen made and hereby covenants
any legal proceeding substitute, renewal, a to ASSIGNEE, make	mmunicate to ASSIGNEE or its representatives and reissue applications, execute all necessary are all rightful oaths, and generally do everything ction for the INVENTION in the United States	evidence, sign all lawful papers, execu ssignment papers to cause any and all possible to aid ASSIGNEE, its success	te all divisional, continuation, of the Letters Patent to be issued ssors and assigns, to obtain and
	torney of record the power to insert on this assignith the rules of the United States Patent and Tra		
I hereby acknowledge of not more than five	ge that any willful false statement made in this de (5) years, or both.	eclaration is punishable under 18 U.S.	.C. 1001 by fine or imprisonment
LEGAL NAME OF	INVENTOR: Jayakrishnan E	Eledath	
Signature:	James	Date: AnG	4 2014
STATE OF \	Jevsey ) ss:		
COUNTY OF N	0100	uth A	0.44
Acknowledged before	me, a Notary Public in and for salty County and State,		<u>, 2014</u> .
Notary Public Signatur	e: yeur ( - ) same)	Printed Name:	

NOTARY PUBLIC OF NEW JERSEY My Commission Expires 1/31/2017

PATRICIA A. BENNETT

My Commission Expires:

PATENT REEL: 033556 FRAME: 0004

e reev

County of Residence:

This document is be	ing submitted for dual purposes	Attorney Docket No Client Reference No	
	DECLARATION (37 CFR 1.63) F ATION DATA SHEET (37 CFR 1.		
Title of Invention	Multi-Dimensional Realization of V	isual Content of an Image Collect	ion Page 3 of 7
As the below-named in	nventor, I hereby declare that:		
United State	ected to: application, or s Application or PCT International Application	on No	
The above-identified a	application was made or authorized to be mad	le by me.	
I believe that I am the	original inventor or an original joint inventor	of a claimed invention in this application	on.
WHEREAS,SR	RI International		<b>,</b>
a <u>California</u>		einafter referred to as "ASSIGNEE"), ha	aving a place of business at
is desirous of acquirin	wood Ave., Menlo Park, California 94025 g the entire right, title, and interest in and to and in and to any Letters Patent that may be countries;		
ASSIGNEE, the full as (including the right to Arrangements from the therefrom in the United	for good and valuable consideration, the suffind exclusive right to the invention in the Unit claim priority under the terms of the Internatic eapplication) and the entire right, title, and it d States and its territorial possessions and in a substitutions, and renewals thereof.	ted States and its territorial possessions ional Convention and other relevant Inte aterest in and to any and all Letters Pate	and in all foreign countries ernational Treaties and ent which may be granted
to issue any and all of same, for the sole use a granted, as fully and en	request the Patent Office officials in the Uni said Letters Patent, when granted, to ASSIGN and benefit of ASSIGNEE, its successors and ntirely as the same would have been held by a convey the interest herein assigned, and that	NEE as the assignee of my entire right, and assigns, to the full end of the term for the had this assignment and sale not bee	title. and interest in and to the which said Letters Patent may be en made and hereby covenants
any legal proceeding, o substitute, renewal, and to ASSIGNEE, make a	municate to ASSIGNEE or its representatives cooperate in every way possible in obtaining d reissue applications, execute all necessary all rightful oaths, and generally do everything ion for the INVENTION in the United States	evidence, sign all lawful papers, execute assignment papers to cause any and all of gpossible to aid ASSIGNEE, its success	e all divisional, continuation, of the Letters Patent to be issued sors and assigns, to obtain and
	mey of record the power to insert on this assi th the rules of the United States Patent and Tr		
I hereby acknowledge of not more than five (	that any willful false statement made in this of 5) years, or both.	declaration is punishable under 18 U.S.	C. 1001 by fine or imprisonment
LEGAL NAME OF I	NVENTOR: Mayank Bansa	al	
Signature:	and	Date: 8 4 2	2014
STATE OF New	Jersey } ss:		
COUNTY OF W	erter ) ss:	10th 1	
Acknowledged before me	e, a Notary Public in and for said County and State,	this day of Augus 1	2014
Notary Public Signature:	Jours During	Printed Name:	
My Commission Expires:	PATRICIA A. BENNI	County of Residence	Moreer
	MOTARY PURLICIOE NEW.	IFROM T	1

My Commission Expires 1/31/2017

This document is being submitted for dual purposes	Attorney Docket No Client Reference No	
COMBINED DECLARATION (37 CFR 1.63) FOR UTI AN APPLICATION DATA SHEET (37 CFR 1.76) AND		
Title of Multi-Dimensional Realization of Visual Cor	ntent of an Image Collec	etion Page 4 of 7
As the below-named inventor, I hereby declare that:		
This declaration is directed to:  the attached application, or  United States Application or PCT International Application No  filed on	•	,
The above-identified application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claim	ed invention in this applica	tion.
WHEREAS, SRI International  a California corporation (hereinafter ref 333 Ravenswood Ave., Menlo Park, California 94025  is desirous of acquiring the entire right, title, and interest in and to the abov ("the INVENTION") and in and to any Letters Patent that may be granted the in any and all foreign countries;	e-referenced application an	
NOW, THEREFORE, for good and valuable consideration, the sufficiency of ASSIGNEE, the full and exclusive right to the invention in the United States (including the right to claim priority under the terms of the International Convarrangements from the application) and the entire right, title, and interest in a therefrom in the United States and its territorial possessions and in any and all reissues, continuations, substitutions, and renewals thereof.	and its territorial possession rention and other relevant Ir. nd to any and all Letters Pa	s and in all foreign countries sternational Treaties and tent which may be granted
I hereby authorize and request the Patent Office officials in the United States to issue any and all of said Letters Patent, when granted, to ASSIGNEE as the same, for the sole use and benefit of ASSIGNEE, its successors and assigns, t granted, as fully and entirely as the same would have been held by me had thi that I have full right to convey the interest herein assigned, and that the undersin conflict herewith.	assignee of my entire right to the full end of the term for assignment and sale not be	, title. and interest in and to the r which said Letters Patent may be een made and hereby covenants
I agree that I will communicate to ASSIGNEE or its representatives any facts any legal proceeding, cooperate in every way possible in obtaining evidence, substitute, renewal, and reissue applications, execute all necessary assignment to ASSIGNEE, make all rightful oaths, and generally do everything possible tenforce proper protection for the INVENTION in the United States and its terms.	sign all lawful papers, execu papers to cause any and all o aid ASSIGNEE, its succe	nte all divisional, continuation, of the Letters Patent to be issued assors and assigns, to obtain and
I hereby grant the attorney of record the power to insert on this assignment an in order to comply with the rules of the United States Patent and Trademark C		
I hereby acknowledge that any willful false statement made in this declaration of not more than five (5) years, or both.	is punishable under 18 U.S	s.C. 1001 by fine or imprisonment
LEGAL NAME OF INVENTOR: Bogdan C. Matei		12/12/1
Signature:	Date:	104/2014
STATE OF New Sey		
COUNTY OF WETCHY)	A	<b>અ</b> ૧
Acknowledged before me, a Notary Public in and for said County and State, this	day ofPrinted Name:	

NOTARY PUBLIC OF NEW JERSEY My Commission Expires 1/31/2017

PATRICIA A. BENNETT

My Commission Expires

PATENT REEL: 033556 FRAME: 0006

County of Residence:

This document	is being submitted for dual purposes	Attorney Docket No Client Reference No	
	ED DECLARATION (37 CFR 1.63) FO ICATION DATA SHEET (37 CFR 1.7		
Title of Invention	Multi-Dimensional Realization of Vi	sual Content of an Image Collec	tion Page 5 of 7
	ned inventor, I hereby declare that:		
This declaration i	•	n No	
The above-identif	fied application was made or authorized to be made	e by me.	
I believe that I an	n the original inventor or an original joint inventor	of a claimed invention in this applicat	tion.
WHEREAS,aCaliforn	SRI International	inafter referred to as "ASSIGNEE"), l	
333 Rav	venswood Ave., Menlo Park, California 94025		
	quiring the entire right, title, and interest in and to N") and in and to any Letters Patent that may be geign countries;		
ASSIGNEE, the f (including the right Arrangements fro therefrom in the U	ORE, for good and valuable consideration, the sufficult and exclusive right to the invention in the Unite to claim priority under the terms of the Internation in the application) and the entire right, title, and in Juited States and its territorial possessions and in a titions, substitutions, and renewals thereof.	ed States and its territorial possessions onal Convention and other relevant In terest in and to any and all Letters Pat	s and in all foreign countries ternational Treaties and ent which may be granted
to issue any and a same, for the sole granted, as fully a	e and request the Patent Office officials in the Unite Ill of said Letters Patent, when granted, to ASSIGN use and benefit of ASSIGNEE, its successors and and entirely as the same would have been held by me that to convey the interest herein assigned, and that the	EE as the assignee of my entire right, assigns, to the full end of the term for the had this assignment and sale not be	title. and interest in and to the which said Letters Patent may be sen made and hereby covenants
any legal proceed substitute, renewa to ASSIGNEE, m	communicate to ASSIGNEE or its representatives ing, cooperate in every way possible in obtaining e al, and reissue applications, execute all necessary as ake all rightful oaths, and generally do everything otection for the INVENTION in the United States a	vidence, sign all lawful papers, execusing and all papers to cause any and all possible to aid ASSIGNEE, its successions.	te all divisional, continuation, of the Letters Patent to be issued ssors and assigns, to obtain and
	attorney of record the power to insert on this assig y with the rules of the United States Patent and Tra		
	edge that any willful false statement made in this defive (5) years, or both.	eclaration is punishable under 18 U.S	.C. 1001 by fine or imprisonment
LEGAL NAME	OF INVENTOR: Xutao Lv		
Signature:	XX L	Date: <u> </u>	14/2014
STATE OF \C	y J-rueay } ss:		<i>1</i> .
COUNTY OF N	DIEST )	υ <del>τ</del> Λ Λ	0.044
Acknowledged befo	re me, a Notary Public in and for said County and State,	this 4 day of August	<u> </u>
Notary Public Signa	Hure: Jean Co. Demit	Printed Name:	

PATRICIA A. BENNETT

NOTARY PUBLIC OF NEW JERSEY My Commission Expires 1/31/2017

My Commission Expires:

PATENT REEL: 033556 FRAME: 0007

County of Residence:

This document is b	eing submitted for dual purposes	Attorney Docket No Client Reference No	
	DECLARATION (37 CFR 1.63) FOR ATION DATA SHEET (37 CFR 1.1		
Title of Invention	Multi-Dimensional Realization of V	isual Content of an Image Collecti	ion Page 6 of 7
As the below-named	inventor, I hereby declare that:		
United Stat	rected to: d application, or es Application or PCT International Application	on No	<u></u> ,
The above-identified	application was made or authorized to be mad	le by me.	
I believe that I am the	original inventor or an original joint inventor	of a claimed invention in this application	on.
WHEREAS,S	RI International	·	,
a <u>California</u>	corporation (here swood Ave., Menlo Park, California 94025	einafter referred to as "ASSIGNEE"), ha	ving a place of business at
is desirous of acquiri	ng the entire right, title, and interest in and to and in and to any Letters Patent that may be		
ASSIGNEE, the full a (including the right to Arrangements from the therefrom in the Unite	s, for good and valuable consideration, the suff and exclusive right to the invention in the Unit o claim priority under the terms of the Internati ne application) and the entire right, title, and in ed States and its territorial possessions and in a s, substitutions, and renewals thereof.	ted States and its territorial possessions a ional Convention and other relevant Inte nterest in and to any and all Letters Pater	and in all foreign countries crnational Treaties and nt which may be granted
to issue any and all of same, for the sole use granted, as fully and o	d request the Patent Office officials in the Unit said Letters Patent, when granted, to ASSIGN and benefit of ASSIGNEE, its successors and entirely as the same would have been held by to convey the interest herein assigned, and that	NEE as the assignee of my entire right, t I assigns, to the full end of the term for v me had this assignment and sale not been	itle, and interest in and to the which said Letters Patent may be n made and hereby covenants
any legal proceeding, substitute, renewal, ar to ASSIGNEE, make	nmunicate to ASSIGNEE or its representatives cooperate in every way possible in obtaining and reissue applications, execute all necessary a all rightful oaths, and generally do everything tion for the INVENTION in the United States	evidence, sign all lawful papers, execute assignment papers to cause any and all o possible to aid ASSIGNEE, its successe	e all divisional, continuation, f the Letters Patent to be issued ors and assigns, to obtain and
	orney of record the power to insert on this assign the the rules of the United States Patent and Tra		
hereby acknowledge of not more than five	that any willful false statement made in this of (5) years, or both.	declaration is punishable under 18 U.S.C	2. 1001 by fine or imprisonment
V	INVENTOR: Chaitanya Des	ai	
Signature:		Date:08/(	02/2014
STATE OF NEW J	-crsey )	,	,
COUNTY OF Me	(0.2.( ) SS:		
Acknowledged before m	ne, a Notary Public in and for said County and State,	this 4th day of August	<u></u>
Notary Public Signature	Johna C. But	Printed Name:	
My Commission Expires	PATRICIA A. BENNETT	County of Residence:	proor
	NOTARY PUBLIC OF NEW JERSE	Y	
	My Commission Expires 1/31/201	7	

This document is	being submitted for	dual purposes
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Attorney Docket No	55434-229796
Client Reference No.	SRI-US-7096-2

# COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING

AN APPLICA	ATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE	E ASSIGNEE
Title of Invention	Multi-Dimensional Realization of Visual Content of an Image Collection	Page 7 of 7
As the below-named in	nventor, I hereby declare that:	
☐ United States	ected to: application, or es Application or PCT International Application No.	
The above-identified ap	application was made or authorized to be made by me.	
I believe that I am the o	original inventor or an original joint inventor of a claimed invention in this application.	
WHEREAS, SR	RI International	
a <u>California</u>	corporation (hereinafter referred to as "ASSIGNEE"), having a plac wood Ave., Menlo Park, California 94025	e of business at
is desirous of acquiring	ng the entire right, title, and interest in and to the above-referenced application and any invent and in and to any Letters Patent that may be granted therefrom in the United States and its terri	
ASSIGNEE, the full an (including the right to carrangements from the therefrom in the United	for good and valuable consideration, the sufficiency of which is acknowledged, I hereby sell, as and exclusive right to the invention in the United States and its territorial possessions and in all for claim priority under the terms of the International Convention and other relevant International Tale application) and the entire right, title, and interest in and to any and all Letters Patent which med States and its territorial possessions and in any and all foreign countries and in and to any and s, substitutions, and renewals thereof.	oreign countries Treaties and ay be granted
to issue any and all of s same, for the sole use a granted, as fully and en	request the Patent Office officials in the United States and its territorial possessions and any and said Letters Patent, when granted, to ASSIGNEE as the assignee of my entire right, title, and intended and another the same would have been held by me had this assignment and sale not been made and convey the interest herein assigned, and that the undersigned has not executed, and will not executed.	terest in and to the Letters Patent may be I hereby covenants
any legal proceeding, c substitute, renewal, and to ASSIGNEE, make a	municate to ASSIGNEE or its representatives any facts known to me respecting the INVENTIO cooperate in every way possible in obtaining evidence, sign all lawful papers, execute all division described applications, execute all necessary assignment papers to cause any and all of the Letter all rightful oaths, and generally do everything possible to aid ASSIGNEE, its successors and assign for the INVENTION in the United States and its territorial possessions and in any and all for	nal, continuation, s Patent to be issued igns, to obtain and
	rney of record the power to insert on this assignment any further identification which may be neath the rules of the United States Patent and Trademark Office for recordation of this assignment.	cessary or desirable
I hereby acknowledge to of not more than five (5	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by (5) years, or both.	fine or imprisonment
LEGAL NAME OF IT	INVENTOR: O / Timothy Shields	
Signature:	My Shields Date: 5/4/14	
STATE OF //ew	Fersey )	
COUNTY OF W	ss:	
Acknowledged before me,	e, a Notary Public in and for said County and State, thisday of	,2014
Notary Public Signature:	Yatur G. Deutst Printed Name:	
My Commission Expires:		<u>~</u>
	NOTARY PUBLIC OF NEW JERSEY	

My Commission Expires 1/31/2017

**RECORDED: 08/18/2014** 

**PATENT** 

**REEL: 033556 FRAME: 0009**