

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY
CONVEYING PARTY DATA	
Name	Execution Date
HANSEN MEDICAL, INC.	05/18/2011
RECEIVING PARTY DATA	
Name:	LUNA INNOVATIONS INCORPORATED
Street Address:	1 RIVERSIDE CIRCLE, SUITE 400
City:	ROANOKE
State/Country:	VIRGINIA
Postal Code:	24016
PROPERTY NUMBERS Total: 59	
Property Type	Number
Application Number:	11180389
Application Number:	10594432
Application Number:	11429432
Application Number:	11535438
Application Number:	11651105
Application Number:	11782229
Application Number:	11792082
Application Number:	12027850
Application Number:	12047056
Application Number:	12073230
Application Number:	12420618
Patent Number:	5441051
Patent Number:	5641956
Patent Number:	5864641
Patent Number:	6021240

OP \$2360.00 11180389

Patent Number:	6162926
Patent Number:	6270946
Patent Number:	6341185
Patent Number:	6343168
Patent Number:	6366722
Patent Number:	6399785
Patent Number:	6426796
Patent Number:	6429421
Patent Number:	6448412
Patent Number:	6471942
Patent Number:	6538153
Patent Number:	6571639
Patent Number:	6660248
Patent Number:	6671055
Patent Number:	6856400
Patent Number:	6898337
Patent Number:	6900897
Patent Number:	6987897
Patent Number:	7001942
Patent Number:	7010182
Patent Number:	7017422
Patent Number:	7018709
Patent Number:	7042573
Patent Number:	7060636
Patent Number:	7154081
Patent Number:	7163956
Patent Number:	7209223
Patent Number:	7319639
Patent Number:	7329461
Patent Number:	7330245
Patent Number:	7379168
Patent Number:	7388673
Patent Number:	7404671
Patent Number:	7423079
Patent Number:	7440087

	7454972
Patent Number:	7507764
Patent Number:	7513160
Patent Number:	7515276
Patent Number:	7538883
Patent Number:	7540197
Patent Number:	7561276
Patent Number:	7570411
Patent Number:	7633607

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ATTORNEY DOCKET NUMBER:	4271-1
NAME OF SUBMITTER:	JOHN R. LASTOVA
Signature:	/John R. Lastova/
Date:	12/09/2013

Total Attachments: 10

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TERMINATION OF SECURITY INTEREST IN TRADEMARKS AND PATENTS

WHEREAS, Luna Innovations Incorporated, a Delaware corporation with its principal place of business at 2851 Commerce Street, Blacksburg, VA 24060 (the "**Grantor**"), is the owner of record of the trademarks and applications listed on the attached **Exhibit A**, now issued or pending in the United States Patent and Trademark Office (the "**Trademarks**"); and is the owner of record of the patents and patent applications listed on the attached **Exhibit B**, now issued or pending in the United States Patent and Trademark Office (the "**Patents**"); and

WHEREAS, the Grantor entered into that certain Security Agreement dated as of January 12, 2010 (the "**Security Agreement**"), between the Grantor and Hansen Medical, Inc., ("**Secured Party**"), a true and correct copy of which was recorded by the United States Patent and Trademark Office on January 14, 2010, at Reel 4131, Frame 0984;

WHEREAS, the Secured Party desires to release its security interest in the Trademarks and Patents and terminate the Security Agreement;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Secured Party hereby:

1. releases and reassigns to the Grantor any and all liens, security interests, right, title and interest of Secured Party pursuant to the Security Agreement in the trademarks and applications more fully described on **Exhibit A**, without recourse or representation or warranty, express or implied; and
2. releases and reassigns to the Grantor any and all liens, security interests, right, title and interest of Secured Party pursuant to the Security Agreement in the patents and applications more fully described on **Exhibit B**, without recourse or representation or warranty, express or implied; and
3. authorizes and requests the Commissioner of Patents and Trademarks of the United States of America to note and record the existence of the release hereby given.

IN WITNESS WHEREOF, Secured Party has caused this Termination of Security Interest in Trademarks and Patents to be signed by its duly authorized representative as of this 18th day of May 2011.

Secured Party:

Hansen Medical, Inc.

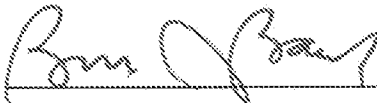
By: 
Name: Bruce J Barclay
Title: President and CEO



EXHIBIT A
Trademarks

Serial #: 75829117 Mark: LUNA INNOVATIONS	Filing Dt: 10/22/1999	Reg #: 2771969	Reg. Dt: 10/07/2003
Serial #: 76612097 Mark: EDAC	Filing Dt: 09/20/2004	Reg #: 3352839	Reg. Dt: 12/11/2007
Serial #: 78258017 Mark:	Filing Dt: 06/04/2003	Reg #: 3093823	Reg. Dt: 05/16/2006
Serial #: 78413611 Mark: TRIMETASPHERES	Filing Dt: 05/05/2004	Reg #: 3230571	Reg. Dt: 04/17/2007
Serial #: 78947484 Mark: EN-TACT	Filing Dt: 08/08/2006	Reg #: 3321824	Reg. Dt: 10/23/2007

EXHIBIT B Patents

Patent #:	<u>5441051</u>	Issue Dt:	08/15/1995	Application #:	08386297	Filing Dt:	02/09/1995
Title:	METHOD AND APPARATUS FOR THE NON-INVASIVE DETECTION AND CLASSIFICATION OF EMBOLI						
Patent #:	<u>5641956</u>	Issue Dt:	06/24/1997	Application #:	08595734	Filing Dt:	02/02/1996
Title:	OPTICAL WAVEGUIDE SENSOR ARRANGEMENT HAVING GUIDED MODES-NO GUIDED MODES GRATING COUPLER						
Patent #:	<u>5864641</u>	Issue Dt:	01/26/1999	Application #:	08838873	Filing Dt:	04/11/1997
Title:	OPTICAL FIBER LONG PERIOD SENSOR HAVING A REACTIVE COATING						
Patent #:	<u>6021240</u>	Issue Dt:	02/01/2000	Application #:	08942927	Filing Dt:	10/02/1997
Title:	OPTICAL SENSOR ACTIVATION DEVICE						
Patent #:	<u>6162926</u>	Issue Dt:	12/19/2000	Application #:	08969261	Filing Dt:	11/13/1997
Title:	MULTI-SUBSTITUTED FULLERENES AND METHODS FOR THEIR PREPARATION AND CHARACTERIZATION						
Patent #:	<u>6035082</u>	Issue Dt:	03/07/2000	Application #:	09039688	Filing Dt:	03/16/1998
Title:	PROCESS FOR PREPARING AN OPTICAL FIBER SENSOR WITH ENHANCED SENSITIVITY						
Patent #:	<u>6215943</u>	Issue Dt:	04/10/2001	Application #:	09103370	Filing Dt:	06/23/1998
Title:	OPTICAL FIBER HOLDER						
Patent #:	<u>6571639</u>	Issue Dt:	06/03/2003	Application #:	09259972	Filing Dt:	03/01/1999
Title:	FIBER OPTIC SYSTEM						
Patent #:	<u>6341185</u>	Issue Dt:	01/22/2002	Application #:	09383722	Filing Dt:	08/26/1999
Title:	EXTRINSIC OPTICAL WAVEGUIDE SENSORS						
Patent #:	<u>6426796</u>	Issue Dt:	07/30/2002	Application #:	09406665	Filing Dt:	09/27/1999
Title:	FIBER OPTIC WALL SHEAR STRESS SENSOR						
Patent #:	<u>6275628</u>	Issue Dt:	08/14/2001	Application #:	09440499	Filing Dt:	11/15/1999
Title:	Single-ended long period grating optical device						
Patent #:	<u>6343168</u>	Issue Dt:	01/29/2002	Application #:	09476656	Filing Dt:	12/31/1999
Title:	OPTICAL SENSOR ARRANGEMENT						
Patent #:	<u>6429421</u>	Issue Dt:	08/06/2002	Application #:	09489768	Filing Dt:	01/21/2000
Title:	FLEXIBLE FIBER OPTIC MICROBEND DEVICE, WITH INTERLOCKING FLEXIBLE FIBERS, SENSORS, AND METHOD USE						
Patent #:	<u>6270946</u>	Issue Dt:	08/07/2001	Application #:	09502130	Filing Dt:	02/10/2000
Title:	Non-lithographic process for producing nanoscale features on a substrate						
Patent #:	<u>6671055</u>	Issue Dt:	12/30/2003	Application #:	09548972	Filing Dt:	04/13/2000
Title:	INTERFEROMETRIC SENSORS UTILIZING BULK SENSING MEDIUMS EXTRINSIC TO THE INPUT/OUTPUT OPTICAL FIBER						
Patent #:	<u>6399785</u>	Issue Dt:	06/04/2002	Application #:	09702143	Filing Dt:	10/30/2000
Title:	Multiply-substituted fullerenes and methods for their preparation						

Patent #:	<u>6448412</u>	Issue Dt:	09/10/2002	Application #:	09702144	Filing Dt:	10/30/2000
Title:	MULTIPLY-SUBSTITUTED FULLERENES AND METHODS FOR THEIR PREPARATION AND CHARACTERIZATION						
Patent #:	<u>6471942</u>	Issue Dt:	10/29/2002	Application #:	09839797	Filing Dt:	04/20/2001
Title:	IMAGING AND TREATMENT METHOD FOR BODY						
Patent #:	<u>6452037</u>	Issue Dt:	09/17/2002	Application #:	09840323	Filing Dt:	04/23/2001
Title:	MULTIOLIGOANILINATED FULLERENES						
Patent #:	<u>6366722</u>	Issue Dt:	04/02/2002	Application #:	09893182	Filing Dt:	06/26/2001
Title:	OPTICAL WAVEGUIDE SENSORS HAVING HIGH REFRACTIVE INDEX SENSITIVITY						
Patent #:	<u>6538153</u>	Issue Dt:	03/25/2003	Application #:	09962492	Filing Dt:	09/25/2001
Title:	METHOD OF SYNTHESIS OF WATER SOLUBLE FULLERENE POLYACIDS USING A MACROCYCLIC MALONATE REACTANT						
Patent #:	<u>6856400</u>	Issue Dt:	02/15/2005	Application #:	10005819	Filing Dt:	12/14/2001
Title:	APPARATUS AND METHOD FOR THE COMPLETE CHARACTERIZATION OF OPTICAL DEVICES INCLUDING LOSS, BIREFRINGENCE AND DISPERSION EFFECTS						
Patent #:	<u>6660248</u>	Issue Dt:	12/09/2003	Application #:	10038075	Filing Dt:	11/09/2001
Publication #:	<u>US20020164288</u>	Pub Dt:	11/07/2002				
Title:	FULLERENE (C60) -BASED X-RAY CONTRAST AGENT FOR DIAGNOSTIC IMAGING						
Patent #:	NONE	Issue Dt:		Application #:	10258774	Filing Dt:	06/19/2003
Publication #:	<u>US20040038946</u>	Pub Dt:	02/26/2004	PCT #:	US0113445		
Title:	Fullerene-based drugs targeted to bone						
Patent #:	NONE	Issue Dt:		Application #:	10258774	Filing Dt:	06/19/2003
Publication #:	<u>US20040038946</u>	Pub Dt:	02/26/2004				
Title:	Fullerene-based drugs targeted to bone						
Patent #:	<u>6965708</u>	Issue Dt:	11/15/2005	Application #:	10264507	Filing Dt:	10/04/2002
Publication #:	<u>US20050105841</u>	Pub Dt:	05/19/2005				
Title:	DEVICES, SYSTEMS, AND METHODS FOR SENSING MOISTURE						
Patent #:	<u>7070810</u>	Issue Dt:	07/04/2006	Application #:	10367646	Filing Dt:	02/14/2003
Publication #:	<u>US20030180491</u>	Pub Dt:	09/25/2003				
Title:	USE OF BUCKYSOME OR CARBON NANOTUBE FOR DRUG DELIVERY						
Patent #:	<u>7010182</u>	Issue Dt:	03/07/2006	Application #:	10417976	Filing Dt:	04/17/2003
Publication #:	<u>US20040022475</u>	Pub Dt:	02/05/2004				
Title:	BIOSENSORS HAVING ENHANCED ENVIRONMENTAL SENSITIVITY						
Patent #:	<u>7388673</u>	Issue Dt:	06/17/2008	Application #:	10520818	Filing Dt:	07/25/2005
Publication #:	<u>US20060033927</u>	Pub Dt:	02/16/2006				
Title:	HETERODYNE OPTICAL SPECTRUM ANALYZER						
Patent #:	<u>7379168</u>	Issue Dt:	05/27/2008	Application #:	10520819	Filing Dt:	07/26/2005
Publication #:	<u>US20080007718</u>	Pub Dt:	01/10/2008				
Title:	POLARIZATION DIVERSITY DETECTION WITHOUT A POLARIZING BEAM SPLITTER						
Patent #:	<u>7633607</u>	Issue Dt:	12/15/2009	Application #:	10570257	Filing Dt:	12/11/2006
Publication #:	<u>US20070171399</u>	Pub Dt:	07/26/2007				

Title:	METHOD AND APPARATUS FOR CALIBRATING MEASUREMENT EQUIPMENT			
Patent #:	NONE	Issue Dt:	Application #: 10590454	Filing Dt: 08/24/2006
Publication #:	<u>US20070142589</u>	Pub Dt: 06/21/2007	PCT #: US0505617	
Title:	Process and systems for the efficient production of polymeric microspheres			
Patent #:	NONE	Issue Dt:	Application #: 10590454	Filing Dt: 08/24/2006
Publication #:	<u>US20070142589</u>	Pub Dt: 06/21/2007		
Title:	Process and systems for the efficient production of polymeric microspheres			
Patent #:	NONE	Issue Dt:	Application #: 10594026	Filing Dt: 07/23/2007
Publication #:	<u>US20080031795</u>	Pub Dt: 02/07/2008	PCT #: US0510218	
Title:	Method of Making Multiple Carbonaceous Nanomaterials			
Patent #:	NONE	Issue Dt:	Application #: 10594026	Filing Dt: 07/23/2007
Publication #:	<u>US20080031795</u>	Pub Dt: 02/07/2008		
Title:	Method of Making Multiple Carbonaceous Nanomaterials			
Patent #:	NONE	Issue Dt:	Application #: 10594027	Filing Dt: 07/23/2007
Publication #:	<u>US20070292698</u>	Pub Dt: 12/20/2007	PCT #: US0510217	
Title:	Trimetaspheres as Dry Lubricants, Wet Lubricants, Lubricant Additives, Lubricant Coatings, Corrosion-Resistant Coatings and Thermally-Conductive Materials			
Patent #:	NONE	Issue Dt:	Application #: 10594027	Filing Dt: 07/23/2007
Publication #:	<u>US20070292698</u>	Pub Dt: 12/20/2007		
Title:	Trimetaspheres as Dry Lubricants, Wet Lubricants, Lubricant Additives, Lubricant Coatings, Corrosion-Resistant Coatings and Thermally-Conductive Materials			
Patent #:	NONE	Issue Dt:	Application #: 10594028	Filing Dt: 07/23/2007
Publication #:	<u>US20070275273</u>	Pub Dt: 11/29/2007		
Title:	Trimetaspheres for Ion Selective Membranes			
Patent #:	NONE	Issue Dt:	Application #: 10594028	Filing Dt: 07/23/2007
Publication #:	<u>US20070275273</u>	Pub Dt: 11/29/2007	PCT #: US0510215	
Title:	Trimetaspheres for Ion Selective Membranes			
Patent #:	<u>7570411</u>	Issue Dt: 08/04/2009	Application #: 10594029	Filing Dt: 07/23/2007
Publication #:	<u>US20070285787</u>	Pub Dt: 12/13/2007		
Title:	OPTICAL LIMITER HAVING TRIMETALLIC NITRIDE ENDOHEDRAL METALLOFULLERENE FILMS			
Patent #:	NONE	Issue Dt:	Application #: 10594073	Filing Dt: 06/25/2007
Publication #:	<u>US20070295395</u>	Pub Dt: 12/27/2007		
Title:	Photovoltaic Device With Trimetaspheres			
Patent #:	NONE	Issue Dt:	Application #: 10594073	Filing Dt: 06/25/2007
Publication #:	<u>US20070295395</u>	Pub Dt: 12/27/2007	PCT #: US0510214	
Title:	Photovoltaic Device With Trimetaspheres			
Patent #:	NONE	Issue Dt:	Application #: 10594432	Filing Dt: 11/16/2007
Publication #:	<u>US20080166285</u>	Pub Dt: 07/10/2008		
Title:	Pegylation and Hydroxylation of Trimetallic Nitride Endohedral Metallofullerenes			
Patent #:	NONE	Issue Dt:	Application #: 10594432	Filing Dt: 11/16/2007
Publication #:	<u>US20080166285</u>	Pub Dt: 07/10/2008	PCT #: US0510219	

Title:	Pegylation and Hydroxylation of Trimetallic Nitride Endohedral Metallofullerenes			
Patent #:	<u>7018709</u>	Issue Dt:	03/28/2006	Application #: 10690070
Publication #:	<u>US20040191504</u>	Pub Dt:	09/30/2004	Filing Dt: 10/21/2003
Title:	CONTAMINATION-RESISTANT COATED SUBSTRATES			
Patent #:	<u>6987897</u>	Issue Dt:	01/17/2006	Application #: 10695236
Publication #:	<u>US20040086216</u>	Pub Dt:	05/06/2004	Filing Dt: 10/28/2003
Title:	FIBER-OPTIC FLOW CELL AND METHOD RELATING THERETO			
Patent #:	<u>7154081</u>	Issue Dt:	12/26/2006	Application #: 10720694
Title:	COMPOSITE STRUCTURES, SUCH AS COATED WIRING ASSEMBLIES, HAVING INTEGRAL FIBER OPTIC-BASED CONDITION DETECTORS AND SYSTEMS WHICH EMPLOY THE SAME			
Patent #:	<u>6898337</u>	Issue Dt:	05/24/2005	Application #: 10805081
Publication #:	<u>US20040218847</u>	Pub Dt:	11/04/2004	Filing Dt: 03/19/2004
Title:	FIBER-OPTIC APPARATUS AND METHOD FOR MAKING SIMULTANEOUS MULTIPLE PARAMETER MEASUREMENTS			
Patent #:	<u>6900897</u>	Issue Dt:	05/31/2005	Application #: 10816517
Publication #:	<u>US20040196467</u>	Pub Dt:	10/07/2004	Filing Dt: 04/01/2004
Title:	APPARATUS AND METHOD FOR CORRECTING ERRORS GENERATED BY A LASER WITH NON-IDEAL TUNING CHARACTERISTICS			
Patent #:	<u>7017422</u>	Issue Dt:	03/28/2006	Application #: 10816667
Publication #:	<u>US20050217388</u>	Pub Dt:	10/06/2005	Filing Dt: 04/02/2004
Title:	BOND TESTING SYSTEM, METHOD, AND APPARATUS			
Patent #:	NONE	Issue Dt:		Application #: 10822644
Publication #:	<u>US20050058675</u>	Pub Dt:	03/17/2005	Filing Dt: 04/12/2004
Title:	Fullerene compositions for ameliorating dermatological conditions			
Patent #:	<u>7001942</u>	Issue Dt:	02/21/2006	Application #: 10829443
Publication #:	<u>US20040220313</u>	Pub Dt:	11/04/2004	Filing Dt: 04/22/2004
Title:	FLAME RETARDANT THERMOSET RESINS AND METHODS OF MAKING THE SAME			
Patent #:	<u>7082833</u>	Issue Dt:	08/01/2006	Application #: 10860636
Publication #:	<u>US20050072236</u>	Pub Dt:	04/07/2005	Filing Dt: 06/04/2004
Title:	METHOD AND APPARATUS FOR DETERMINING AND ASSESSING A CHARACTERISTIC OF A MATERIAL			
Patent #:	<u>7060636</u>	Issue Dt:	06/13/2006	Application #: 10960341
Publication #:	<u>US20050085051</u>	Pub Dt:	04/21/2005	Filing Dt: 10/07/2004
Title:	TUNABLE DIELECTRIC DEVICE AND PROCESS RELATING THERETO			
Patent #:	<u>7163956</u>	Issue Dt:	01/16/2007	Application #: 10960449
Publication #:	<u>US20050130939</u>	Pub Dt:	06/16/2005	Filing Dt: 10/07/2004
Title:	SUBSTITUTED FULLERENE COMPOSITIONS AND THEIR USE AS ANTIOXIDANTS			
Patent #:	<u>7507764</u>	Issue Dt:	03/24/2009	Application #: 10963990
Publication #:	<u>US20050143327</u>	Pub Dt:	06/30/2005	Filing Dt: 10/13/2004
Title:	AMPHIPHILIC [5:1]- AND [3:3]- HEXAKISADDUCTS OF FULLERENES			
Patent #:	<u>7042573</u>	Issue Dt:	05/09/2006	Application #: 10990966
Publication #:	<u>US20050088661</u>	Pub Dt:	04/28/2005	Filing Dt: 11/18/2004
Title:	APPARATUS AND METHOD FOR THE COMPLETE CHARACTERIZATION OF OPTICAL			

DEVICES INCLUDING LOSS, BIREFRINGENCE AND DISPERSION EFFECTS				
Patent #:	<u>7440087</u>	Issue Dt:	10/21/2008	Application #: 11062740 Filing Dt: 02/23/2005
Publication #:	<u>US20050219512</u>	Pub Dt:	10/06/2005	
Title:	IDENTIFYING OPTICAL FIBER SEGMENTS AND DETERMINING CHARACTERISTICS OF AN OPTICAL DEVICE UNDER TEST BASED ON FIBER SEGMENT SCATTER PATTERN DATA			
Patent #:	<u>7319639</u>	Issue Dt:	01/15/2008	Application #: 11069665 Filing Dt: 02/28/2005
Publication #:	<u>US20060169029</u>	Pub Dt:	08/03/2006	
Title:	ACOUSTIC CONCEALED ITEM DETECTOR			
Patent #:	<u>7329461</u>	Issue Dt:	02/12/2008	Application #: 11121942 Filing Dt: 05/05/2005
Publication #:	<u>US20050203224</u>	Pub Dt:	09/15/2005	
Title:	FLAME-RETARDANT SYNTHETIC RESIN ARTICLES CONTAINING FLAME-RETARDANT SUPERABSORBENT POLYMER (SAP) PARTICLES			
Patent #:	<u>7423079</u>	Issue Dt:	09/09/2008	Application #: 11130409 Filing Dt: 05/17/2005
Publication #:	<u>US20060264547</u>	Pub Dt:	11/23/2006	
Title:	FLAME-RETARDANT SYNTHETIC TEXTILE ARTICLES AND METHODS OF MAKING THE SAME			
Patent #:	NONE	Issue Dt:		Application #: 11180389 Filing Dt: 07/13/2005
Publication #:	<u>US20060013523</u>	Pub Dt:	01/19/2006	
Title:	Fiber optic position and shape sensing device and method relating thereto			
Patent #:	NONE	Issue Dt:		Application #: 11214469 Filing Dt: 08/29/2005
Publication #:	<u>US20060047003</u>	Pub Dt:	03/02/2006	
Title:	Fullerene compositions for ameliorating hearing loss, collateral damage of chemotherapy, or mucositis			
Patent #:	NONE	Issue Dt:		Application #: 11256359 Filing Dt: 10/21/2005
Publication #:	<u>US20060040938</u>	Pub Dt:	02/23/2006	
Title:	Substituted fullerene compositions and their use as antioxidants			
Patent #:	<u>7209223</u>	Issue Dt:	04/24/2007	Application #: 11272624 Filing Dt: 11/14/2005
Publication #:	<u>US20070103681</u>	Pub Dt:	05/10/2007	
Title:	OPTICAL DEVICE FOR MEASURING OPTICAL PROPERTIES OF A SAMPLE AND METHOD RELATING THERETO			
Patent #:	NONE	Issue Dt:		Application #: 11334579 Filing Dt: 01/18/2006
Publication #:	<u>US20060198813</u>	Pub Dt:	09/07/2006	
Title:	SUBSTITUTED FULLERENE COMPOSITIONS AND THEIR USE IN TREATMENT OF SHOCK			
Patent #:	NONE	Issue Dt:		Application #: 11347906 Filing Dt: 02/06/2006
Publication #:	<u>US20060127470</u>	Pub Dt:	06/15/2006	
Title:	Use of buckysome or carbon nanotube for drug delivery			
Patent #:	<u>7330245</u>	Issue Dt:	02/12/2008	Application #: 11371229 Filing Dt: 03/09/2006
Publication #:	<u>US20060204165</u>	Pub Dt:	09/14/2006	
Title:	CALCULATION OF BIREFRINGENCE IN A WAVEGUIDE BASED ON RAYLEIGH SCATTER			

Patent #:	<u>7404671</u>	Issue Dt:	07/29/2008	Application #:	11372628	Filing Dt:	03/09/2006
Publication #:	<u>US20060203877</u>	Pub Dt:	09/14/2006				
Title:	DYNAMIC ACOUSTIC THERMOMETER						
Patent #:	<u>7894874</u>	Issue Dt:	02/22/2011	Application #:	11429432	Filing Dt:	05/08/2006
Publication #:	<u>US20100262009</u>	Pub Dt:	10/14/2010				
Title:	METHOD AND APPARATUS FOR ENHANCING THE DETECTING AND TRACKING OF MOVING OBJECTS USING ULTRASOUND						
Patent #:	<u>7454972</u>	Issue Dt:	11/25/2008	Application #:	11513348	Filing Dt:	08/31/2006
Publication #:	<u>US20070062289</u>	Pub Dt:	03/22/2007				
Title:	METHOD AND APPARATUS FOR ACOUSTICALLY WEIGHING MOVING LOADS						
Patent #:	<u>7781724</u>	Issue Dt:	08/24/2010	Application #:	11535438	Filing Dt:	09/26/2006
Publication #:	<u>US20070065077</u>	Pub Dt:	03/22/2007				
Title:	FIBER OPTIC POSITION AND SHAPE SENSING DEVICE AND METHOD RELATING THERETO						
Patent #:	NONE	Issue Dt:		Application #:	11561520	Filing Dt:	11/20/2006
Publication #:	<u>US20080020977</u>	Pub Dt:	01/24/2008				
Title:	USE OF FULLERENES TO OXIDIZE REDUCED REDOX PROTEINS						
Patent #:	<u>7561276</u>	Issue Dt:	07/14/2009	Application #:	11639419	Filing Dt:	12/15/2006
Publication #:	<u>US20070165238</u>	Pub Dt:	07/19/2007				
Title:	DEMODULATION METHOD AND APPARATUS FOR FIBER OPTIC SENSORS						
Patent #:	<u>7685861</u>	Issue Dt:	03/30/2010	Application #:	11651105	Filing Dt:	01/09/2007
Publication #:	<u>US20080092623</u>	Pub Dt:	04/24/2008				
Title:	METHOD AND APPARATUS FOR CALIBRATING AN ULTRASONIC SENSING SYSTEM USED TO DETECT MOVING OBJECTS						
Patent #:	NONE	Issue Dt:		Application #:	11678146	Filing Dt:	02/23/2007
Publication #:	<u>US20080003293</u>	Pub Dt:	01/03/2008				
Title:	Use of Buckysome or Carbon Nanotube for Drug Delivery						
Patent #:	<u>7515276</u>	Issue Dt:	04/07/2009	Application #:	11779527	Filing Dt:	07/18/2007
Publication #:	<u>US20080024785</u>	Pub Dt:	01/31/2008				
Title:	HIGH RESOLUTION INTERFEROMETRIC OPTICAL FREQUENCY DOMAIN REFLECTOMETRY (OFDR) BEYOND THE LASER COHERENCE LENGTH						
Patent #:	<u>7934424</u>	Issue Dt:	05/03/2011	Application #:	11782229	Filing Dt:	07/24/2007
Publication #:	<u>US20080022773</u>	Pub Dt:	01/31/2008				
Title:	ULTRASONIC MATERIAL MONITOR FOR DETERMINING A CHARACTERISTIC OF THE MATERIAL						
Patent #:	NONE	Issue Dt:		Application #:	11792082	Filing Dt:	06/02/2008
Publication #:	<u>US20090103100</u>	Pub Dt:	04/23/2009	PCT #:	US0545002		
Title:	COMPENSATING FOR TIME VARYING PHASE CHANGES IN INTERFEROMETRIC MEASUREMENTS						
Patent #:	NONE	Issue Dt:		Application #:	11792082	Filing Dt:	06/02/2008
Publication #:	<u>US20090103100</u>	Pub Dt:	04/23/2009				
Title:	COMPENSATING FOR TIME VARYING PHASE CHANGES IN INTERFEROMETRIC MEASUREMENTS						
Patent #:	<u>7513160</u>	Issue Dt:	04/07/2009	Application #:	11806475	Filing Dt:	05/31/2007

Publication #: <u>US20070290912</u>	Pub Dt: 12/20/2007	Patent #:	Issue Dt:	Application #:	Filing Dt:
Title: DIGITAL PULSED PHASE LOCKED LOOP					
Patent #: <u>7538883</u>	Issue Dt: 05/26/2009	Application #: 11808260	Filing Dt: 06/07/2007	Publication #: <u>US20080002187</u>	Pub Dt: 01/03/2008
Title: DISTRIBUTED STRAIN AND TEMPERATURE DISCRIMINATION IN POLARIZATION MAINTAINING FIBER					
Patent #: NONE	Issue Dt:	Application #: 11841087	Filing Dt: 08/20/2007	Publication #: <u>US20080193490</u>	Pub Dt: 08/14/2008
Title: Use of Carbon Nanotube for Drug Delivery					
Patent #: <u>7540197</u>	Issue Dt: 06/02/2009	Application #: 11987411	Filing Dt: 11/29/2007	Publication #: <u>US20080141780</u>	Pub Dt: 06/19/2008
Title: SENSORS, METHODS AND SYSTEMS FOR DETERMINING PHYSICAL EFFECTS OF A FLUID					
Patent #: NONE	Issue Dt:	Application #: 12021451	Filing Dt: 01/29/2008	Publication #: <u>US20090044744</u>	Pub Dt: 02/19/2009
Title: Thermal Sensitive Material					
Patent #: NONE	Issue Dt:	Application #: 12027850	Filing Dt: 02/07/2008	Publication #: <u>US20080204275</u>	Pub Dt: 08/28/2008
Title: WIRELESS CORROSION SENSOR					
Patent #: <u>7772541</u>	Issue Dt: 08/10/2010	Application #: 12047056	Filing Dt: 03/12/2008	Publication #: <u>US20080212082</u>	Pub Dt: 09/04/2008
Title: FIBER OPTIC POSITION AND/OR SHAPE SENSING BASED ON RAYLEIGH SCATTER					
Patent #: NONE	Issue Dt:	Application #: 12053289	Filing Dt: 03/21/2008	Publication #: <u>US20080242997</u>	Pub Dt: 10/02/2008
Title: METHOD AND APPARATUS FOR CLASSIFYING GASEOUS AND NON-GASEOUS OBJECTS					
Patent #: NONE	Issue Dt:	Application #: 12073230	Filing Dt: 03/03/2008	Publication #: <u>US20080213324</u>	Pub Dt: 09/04/2008
Title: Amphiphilic or lipophilic polar functionalized fullerenes and their uses					
Patent #: NONE	Issue Dt:	Application #: 12073231	Filing Dt: 03/03/2008	Publication #: <u>US20080214514</u>	Pub Dt: 09/04/2008
Title: Steroid derivatives of fullerenes					
Patent #: NONE	Issue Dt:	Application #: 12073232	Filing Dt: 03/03/2008	Publication #: <u>US20080213352</u>	Pub Dt: 09/04/2008
Title: Liposome carriers for in vivo delivery of fullerenes					
Patent #: NONE	Issue Dt:	Application #: 12121191	Filing Dt: 05/15/2008	Publication #: <u>US20090226673</u>	Pub Dt: 09/10/2009
Title: HIGH FRICTION COATING FORMULATIONS AND SYSTEMS AND COATED ARTICLES THEREOF EXHIBITING RADAR SIGNATURE REDUCTION AND METHODS OF PROVIDING THE SAME					
Patent #: NONE	Issue Dt:	Application #: 12129985	Filing Dt: 05/30/2008	Publication #: <u>US20090137941</u>	Pub Dt: 05/28/2009
Title: METHOD AND APPARATUS FOR ACOUSTICALLY ENHANCED REMOVAL OF BUBBLES FROM A FLUID					
Patent #: NONE	Issue Dt:	Application #: 12420618	Filing Dt: 04/08/2009		

Publication #:	<u>US20090298369</u>	Pub Dt:	12/03/2009		
Title:	ADDITIVE PARTICLES HAVING SUPERHYDROPHOBIC CHARACTERISTICS AND COATINGS AND METHODS OF MAKING AND USING THE SAME				
Patent #:	NONE	Issue Dt:		Application #:	12422659
				Filing Dt:	04/13/2009
Publication #:	<u>US20090197950</u>	Pub Dt:	08/06/2009		
Title:	Substituted Fullerenes and Their Use as Inhibitors of Cell Death				
Patent #:	NONE	Issue Dt:		Application #:	12422678
				Filing Dt:	04/13/2009
Publication #:	<u>US20090197951</u>	Pub Dt:	08/06/2009		
Title:	Substituted Fullerene Formulations and Their Use in Ameliorating Oxidative Stress Diseases or Inhibiting Cell Death				