TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM431917

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
General Atomics		06/20/2017	Corporation: CALIFORNIA

RECEIVING PARTY DATA

Name:	Bank of the West
Street Address:	300 South Grand Avenue, 5th Floor
City:	Los Angeles
State/Country:	CALIFORNIA
Postal Code:	90071
Entity Type:	Banking Corporation: CALIFORNIA

PROPERTY NUMBERS Total: 13

Property Type	Number	Word Mark
Registration Number:	3978902	BLITZER
Registration Number:	3860188	CCS COMMANDER
Registration Number:	2062065	E-SMART
Registration Number:	1554096	
Registration Number:	1547695	
Registration Number:	0709041	GENERAL ATOMIC
Registration Number:	1555093	GENERAL ATOMICS
Registration Number:	1549501	GENERAL ATOMICS
Registration Number:	2778200	NIRVANA
Registration Number:	2590572	SRB
Registration Number:	2561263	STORAGE RESOURCE BROKER
Registration Number:	0709040	TRIGA
Registration Number:	2288741	TMS3000

CH $340.00 3978902

CORRESPONDENCE DATA

Fax Number: 4152687522

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.

Phone: (415) 268-6538
Email: achung@mofo.com

Correspondent Name:	Jennifer Lee Taylor, Morrison & Foerster
Address Line 1:	425 Market Street
Address Line 4:	San Francisco, CALIFORNIA 94105

NAME OF SUBMITTER:	Jennifer Lee Taylor
SIGNATURE:	/JLT2/
DATE SIGNED:	06/20/2017

Total Attachments: 20
source=1.3 Patent and Trademark Security Agreement (EXECUTED)#page1.tif
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PATENT AND TRADEMARK SECURITY AGREEMENT

THIS PATENT AND TRADEMARK SECURITY AGREEMENT (this "Agreement"), dated as of June 20, 2017, is made by and between GENERAL ATOMICS, a California corporation (the "Grantor"), and BANK OF THE WEST, a California banking corporation, as administrative agent for the Secured Parties referred to below (in such capacity, together with its successors and assigns in such capacity, the "Agent").

The Grantor, certain financial institutions as lenders (together with each of their respective successors and permitted assigns, each a "Lender" and collectively, the "Lenders"), the Issuing Bank, the Swing Line Lender and the Agent are parties to that certain Third Amended and Restated Credit Agreement, dated as of the date hereof (as amended, modified, renewed or extended from time to time, the "Credit Agreement"). In connection therewith, pursuant to the Second Amended and Restated Security Agreement, dated as of the date hereof (as amended, modified, renewed or extended from time to time, the "Security Agreement"), between the Grantor and the Agent, Grantor has granted to the Agent a security interest in all of Grantor's present and future assets, including the intellectual property identified below, to secure the Secured Obligations. To supplement Agent's security interest in such intellectual property pursuant to the Security Agreement, Grantor is executing and delivering this Agreement.

Accordingly, the parties hereto agree as follows:

SECTION 1 Definitions; Interpretation.

(a) Terms Defined in Credit Agreement. All capitalized terms used in this Agreement (including in the recitals hereof) and not otherwise defined herein shall have the meanings assigned to them in the Credit Agreement or the Security Agreement, as applicable.

(b) Interpretation. The rules of interpretation set forth in Section 1.05 of the Credit Agreement shall be applicable to this Agreement and are incorporated herein by this reference.

SECTION 2 Security Interest.

(a) Grant of Security Interest. As security for the payment and performance of the Secured Obligations, the Grantor hereby grants, assigns, and conveys to Agent, for itself and on behalf of and for the ratable benefit of the other Secured Parties, a security interest in all of the Grantor's right, title and interest in, to and under the following property, in each case whether now or hereafter existing or arising or in which the Grantor now has or hereafter owns, acquires or develops an interest and wherever located (collectively, the "Collateral"):

(i) all Patents and patent applications, domestic or foreign, all licenses relating to any of the foregoing and all income and royalties with respect to such licenses (including such Patents and patent applications as described in Schedule A), all rights to sue for past, present or future infringement thereof, all rights arising therefrom and pertaining thereto and all reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof;

(ii) all Trademarks, including state (including common law), federal and foreign trademarks, service marks and trade names, and applications for registration of such trademarks, service marks and trade names, all licenses relating to any of the foregoing and all income and royalties with respect to any such licenses (including such marks, names and applications as described in Schedule B), whether registered or unregistered and wherever registered, all rights to sue for past, present or future infringement or unconsented use thereof, all rights arising therefrom and pertaining thereto and all reissues, extensions and renewals thereof;

(iii) the entire goodwill of or associated with the businesses now or hereafter conducted by the Grantor connected with and symbolized by any of the aforementioned properties and assets;

(iv) all Commercial Tort Claims associated with or arising out of any of the aforementioned properties and assets;

(v) all Accounts, all intangible intellectual or other similar property and other general intangibles associated with or arising out of any of the aforementioned properties and assets and not otherwise described above, including all license payments and payments under insurance (whether or not the Agent is the loss payee thereof) or any indemnity, warranty or guaranty payable by reason of loss or damage to or otherwise with respect to the foregoing Collateral; and

(vi) all products, Proceeds and Supporting Obligations of or with respect to any and all of the foregoing Collateral; provided, however, that notwithstanding anything to the contrary contained in this Section 2(a), the security interests created by this Agreement shall not extend to, and the term "Collateral" (including all of the individual items comprising Collateral) shall not include, any Excluded Assets.

(b) Continuing Security Interest. The Grantor agrees that this Agreement shall create a continuing security interest in the Collateral which shall remain in effect until terminated in accordance with the Security Agreement.

SECTION 3 Supplement to Security Agreement. The terms and provisions of this Agreement are intended as a supplement to the terms and provisions of the Security Agreement. The rights and remedies of the Agent with respect to the security interests granted herein are without prejudice to, and are in addition to those set forth in the Security Agreement, all terms and provisions of which are incorporated herein by reference.

SECTION 4 Authorization to Supplement. If the Grantor shall obtain rights to any new Trademarks, any new patentable inventions or become entitled to the benefit of any patent application or Patent for any reissue, division, or continuation, of any Patent, in each case constituting Collateral, the provisions of this Agreement shall automatically apply thereto. Without limiting the Grantor's obligation under this Section 4, the Grantor authorizes the Agent to modify this Agreement by amending Schedule A or B to include any such new patent or trademark rights. No failure to so amend Schedule A or B shall in any way affect, invalidate or detract from the Agent's continuing security interest in all Collateral, whether or not listed on Schedule A or B.

SECTION 5 Further Acts. On a continuing basis, the Grantor shall make, execute, acknowledge and deliver, and file and record in the proper filing and recording places, all such instruments and documents, and take all such action as may be necessary or advisable or may be reasonably requested by the Agent to carry out the intent and purposes of this Agreement, or for assuring, confirming or protecting the grant or perfection of the security interest granted or purported to be granted hereby, to ensure the Grantor's compliance with this Agreement or to enable the Agent to exercise and enforce its rights and remedies hereunder with respect to the Collateral, including any documents for filing with United States Patent and Trademark Office (the "PTO") and/or any applicable state office. The Agent may record this Agreement, an abstract thereof, or any other document describing the Agent's interest in the Collateral with the PTO, including any modification hereof as provided above, at the expense of the Grantor.

SECTION 6 Binding Effect. This Agreement shall be binding upon, inure to the benefit of and be enforceable by the parties hereto and their respective successors and assigns. This Agreement shall also inure to the benefit of the other Secured Parties.

SECTION 7 Governing Law. This Agreement and any claims, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Agreement and the transactions contemplated hereby shall be governed by, and construed in accordance with, the law of the State of New York except as required by mandatory provisions of law and to the extent the validity or perfection of the security interests hereunder, or the remedies hereunder, in respect of any Collateral are governed by the law of a jurisdiction other than New York.

SECTION 8 Entire Agreement; Amendment. This Agreement contains the entire agreement of the parties with respect to the subject matter hereof and shall not be amended except by the written agreement of the parties as provided in the Credit Agreement.

SECTION 9 Severability. Whenever possible, each provision of this Agreement shall be interpreted in such manner as to be effective and valid under all applicable laws and regulations. If, however, any provision of this Agreement shall be prohibited by or invalid under any such law or regulation in any jurisdiction, it shall, as to such jurisdiction, be deemed modified to conform to the minimum requirements of such law or regulation, or, if for any reason it is not deemed so modified, it shall be ineffective and invalid only to the extent of such prohibition or invalidity without affecting the remaining provisions of this Agreement, or the validity or effectiveness of such provision in any other jurisdiction.

SECTION 10 Counterparts. This Agreement may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute but one and the same agreement. Delivery of an executed counterpart of a signature page of this Agreement by facsimile or in electronic (*i.e.*, "pdf" or "tif") format shall be effective as delivery of a manually executed counterpart of this Agreement.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement, as of the date first above written.

THE GRANTOR

GENERAL ATOMICS

By: _____
Name: Eric B. Rosenoff
Title: Assistant Treasurer

Address:

General Atomics
3550 General Atomics Court
San Diego, CA 92121
Attn: Treasurer
Fax No.: (858) 455-4215

with a copy to:

General Atomics
3550 General Atomics Court
San Diego, CA 92121
Attn: Law Department
Fax No.: (858) 455-3213

THE AGENT

BANK OF THE WEST

By: _____
Name: Daryl Krause
Title: Managing Director, Syndications

Address:

Bank of the West
Syndications
300 South Grand Avenue, 5th Floor
Los Angeles, California 90071
Attn: Daryl Krause
Fax No.: (213) 972-0618
Email: Daryl.Krause@bankofthewest.com

SCHEDULE A
to the Patent and Trademark Security Agreement

Issued U.S. Patents of the Grantor

Title	Patent No.	Issue Date	Assignee/Owner
Broadband Infrared And Signature Control Materials And Methods Of Producing The Same	5814367	9/29/1998	General Atomics
High Efficiency Multistep Sinewave Synthesizer	5757633	5/26/1998	General Atomics
Shipping Container For Radioactive Material / Spent Fuel Transportation Cask Neutron Shield	5894134	4/13/1999	General Atomics
Low Volume Lightweight Magnetodielectric Materials	6033782	3/7/2000	General Atomics
Downflow Hydrothermal Treatment	6054057	4/25/2000	General Atomics
Refractory Heat Transfer Module	6065284	5/23/2000	General Atomics
Large Aperture Vibration Compensated Millimeter Wave Sensor	6154174	11/28/2000	General Atomics
Hydrothermal Processing With Phosphate Additive	6238568	5/29/2001	General Atomics
Compositions For Melt Processing High Temperature Superconductor	5872081	2/16/1999	General Atomics
System Of And Method For	6678700	1/13/2004	General Atomics

Title	Patent No.	Issue Date	Assignee/Owner
Transparent Management Of Data Objects In Containers Across Distributed Heterogenous Resources			
Process For Hydrothermal Treatment Of Materials	6709602	3/23/2004	General Atomics
Encryption Key Distribution And Network Registration System, Apparatus And Method	7310424	12/18/2007	General Atomics
Flexible Method And Apparatus For Encoding And Decoding Signals Using A Time Division Multiple Frequency Scheme	7236464	6/26/2007	General Atomics
Method And Apparatus For Data Transfer Using A Time Division Multiple Frequency Scheme Supplemented With Polarity Modulation	7321601	1/22/2008	General Atomics
Method And Apparatus For Increasing The Material Removal Rate In Laser Machining	6664498	12/16/2003	General Atomics
System And Method For Radioactive Waste Destruction	6738446	5/18/2004	General Atomics
Method And Apparatus For Measuring Ultralow Water Permeation	6804989	10/19/2004	General Atomics
Tunable Oscillator	6781470	8/24/2004	General Atomics
Method And Apparatus For Data	6895059	5/17/2005	General Atomics

Title	Patent No.	Issue Date	Assignee/Owner
Transfer Using A Time Division Multiple Frequency Scheme			
Wireless Device Attachment And Detachment System, Apparatus And Method	6898652	5/24/2005	General Atomics
Laser Containing A Distributed Gain Medium	6937629	8/30/2005	General Atomics
Data Transfer Using Frequency Notching Of Radio-frequency Signals	7177368	2/13/2007	General Atomics
Method And Apparatus For Adapting Multi-band Ultra-wideband Signaling To Interference Sources	7,342,973	03/11/08	General Atomics
Method And Apparatus For Data Transfer Using A Time Division Multiple Frequency Scheme With Additional Modulation	7609608	10/27/09	General Atomics
Method And Apparatus For Adapting Signaling To Maximize The Efficiency Of Spectrum Usage For Multi-band In The Presence Of Interference	7403575	07/22/08	General Atomics
Method And Apparatus For Dual Polarization Imaging	7301138	11/27/07	General Atomics
Magnetic Levitation And Propulsion System	6827022	12/07/04	General Atomics

Title	Patent No.	Issue Date	Assignee/Owner
System Of And Method For Transparent Management Of Data Objects In Containers Across Distributed Heterogenous Resources	7269604	09/11/07	General Atomics
Modular Guideway For A Magnetic Levitation Vehicle And Method For Manufacturing A Guideway Module	7334525	2/26/2008	General Atomics
Capacitor Pulse Forming Network With Multiple Pulse Inductors	6965215	11/15/2005	General Atomics
Method And Apparatus For Measuring Ultralow Permeation	7178384	2/20/2007	General Atomics
Ultra-wideband Rada System Using Sub-band Coded Pulses	6989782	1/24/2006	General Atomics
Method And Apparatus For Data Transfer Using Wideband Bursts	7436899	10/14/2008	General Atomics
Wireless Device Attachment And Detachment System, Apparatus And Method	7149834	12/12/2006	General Atomics
Method For Making Large Scale Multilayer Dielectric Diffraction Gratings On Thick Substrates Using Reactive Ion Etching	7256938	8/14/2007	General Atomics
Accelerated Ultralow Moisture Permeation Measurement	7257990	8/21/2007	General Atomics

Title	Patent No.	Issue Date	Assignee/Owner
Color Condensation For Image Transformation And/or Compression	7796836	9/14/2010	General Atomics
Water OxidIzation System	7611625	11/3/2009	General Atomics
Composite Structures With Integral Intelligent Skin	7746279	6/29/2010	General Atomics
Active Armor Systems	7819050	10/26/2010	General Atomics
Laser Containing A Distributed Gain Medium	7103078	9/5/2006	General Atomics
Photosynthetic Oil Production In A Two-stage Reactor	7687261	3/30/2010	General Atomics
Photosynthetic Carbon Dioxide Sequestration And Pollution Abatement	8262776	9/11/2012	General Atomics
High Photoefficiency Microalgae Bioreactors	7763457	7/27/2010	General Atomics
Photosynthetic Oil Production With High Carbon Dioxide Utilization	7662616	2/16/2010	General Atomics
Apparatus And Methods For Use In Flash Detection	7732769	6/8/2010	General Atomics
Laser Containing A Distributed Gain Medium	7366211	4/29/2008	General Atomics
Method And System For Network Setup And Maintenance And Medium Access Control For A Wireless Sensor Network	8199635	6/12/2012	General Atomics
Linear Synchronous Motor With Phase Control	8,224,509	7/17/2012	General Atomics

Title	Patent No.	Issue Date	Assignee/Owner
Data Transfer Using Frequency Notching Of Radio-Frequency Signals	7,656,963	2/2/2010	General Atomics
Method And Apparatus For Data Transfer Using A Time Division Multiple Frequency Scheme Supplemented With Polarity Modulation	8,149,879	4/3/2012	General Atomics
Optical System For Reducing Stimulated Brillouin Scattering By Controllably Changing Polarization Direction Of An Optical Signal	8,761,607	6/24/2014	General Atomics
Optical System For Reducing Stimulated Brillouin Scattering By Controllably Changing Polarization Direction Of An Optical Signal	8,054,539	11/8/2011	General Atomics
Microwave-Powered Pellet Accelerator	7,831,008	11/9/2010	General Atomics
Embedded Module For Linear Synchronous Motor	8,221,024	7/17/2012	General Atomics
System And Method For Vehicle Position Sensing With Helical Windings	8,532,918	9/10/2013	General Atomics
System And Method For Vehicle Position Sensing With Use Of Propulsion Windings	8,499,697	8/6/2013	General Atomics
Linear Motor Charged Electric Vehicle	8,113,310	2/14/2012	General Atomics
Transport System Incorporating Linear Motor Charged Electric Vehicle	8,109,353	2/7/2012	General Atomics

Title	Patent No.	Issue Date	Assignee/Owner
Charged Capacitor Warning System And Method	8,576,074	11/5/2013	General Atomics
Apparatus And Methods For Use In Flash Detection	8,304,729	11/6/2012	General Atomics
Apparatus And Methods For Use In Flash Detection	8,642,961	2/4/2014	General Atomics
Apparatus And Methods For Use In Flash Detection	7,947,954	5/24/2011	General Atomics
Pseudo-Conductor Antennas	9,543,640	1/10/2017	General Atomics
Reflective Coating, Pigment, Colored Composition, and Process of Producing a Reflective Pigment	8,932,724	1/13/2015	General Atomics
Methods and Apparatus for Selective Gaseous Extraction of Molybdenum-99 and Other Fission Product Radioisotopes	9,076,561	7/7/2015	General Atomics
System and Method for Using A Pulse Flow Circulation for Algae Cultivation	8,541,225	9/24/2013	General Atomics
Magnetic Pseudo-Conductor Spiral Antennas	8,847,846	9/30/2014	General Atomics
System Of And Method For Transparent Management Of Data Objects In Containers Across Distributed Heterogenous Resources	7,801,850	9/21/2010	General Atomics
Magnetic Pseudo-Conductor Conformal Antenna	8,773,312	7/8/2014	General Atomics

Title	Patent No.	Issue Date	Assignee/Owner
Multi-Function Magnetic Pseudo-Conductor Antennas	8,686,918	4/1/2014	General Atomics
Active Armor Systems	8,069,771	12/6/2011	General Atomics
Active Armor Systems	8,074,554	12/13/2011	General Atomics
Active Armor Systems	7,819,050	10/26/2010	General Atomics
Method and Apparatus for Inhibiting Formation of and/or Removing Ice from Aircraft Components	9,327,839	5/3/2016	General Atomics
Methods And Apparatus For Suppressing Tritium Permeation During Tritium Production	9,202,601	12/1/2015	General Atomics
High Durability Joints Between Ceramic Articles, And Methods Of Making And Using Same	9,132,619	9/15/2015	General Atomics
High voltage amplifiers and methods	8,854,144	10/7/2014	General Atomics
Systems and Methods for Efficiently Preparing Plutonium-238 with High Isotopic Purity	9,196,389	11/24/2015	General Atomics
Pulsed Interrupter and Method of Operation	9,054,530	6/9/2015	General Atomics
Magnetically Stabilized Forward Observation Platform	8,275,544	9/25/2012	General Atomics
System and Method for Using A Pulse Flow Circulation for Algae Cultivation	8,748,162	6/10/2014	General Atomics
Pseudo-Conductor Antennas	8,847,840	9/30/2014	General Atomics

Title	Patent No.	Issue Date	Assignee/Owner
Method And Apparatus For Inhibiting Formation Of And/or Removing Ice From Aircraft Components	9,327,839	5/3/2016	General Atomics
Field Emitters of Wide-Bandgap Materials	5,990,604	11/23/1999	General Atomics
Thermionic Converter and Method of Making Same	6,037,697	3/14/2000	General Atomics
System and Method for Controlling the Flow of a Conductive Fluid Over a Surface	6,079,345	6/27/2000	General Atomics
Inertial/Magnetic Measurement Device	7,587,277	9/8/2009	General Atomics
Persistent Archives	6963875	11/8/2005	General Atomics and Regents of the University of California; Confirmatory License assigned to U.S. Air Force
Persistent Archives	7349915	3/25/2008	General Atomics and Regents of the University of California; Confirmatory License assigned to U.S. Air Force
Persistent Archives	7536425	5/19/2009	General Atomics and Regents of the University of California; Confirmatory License assigned to U.S. Air Force
Homopolar Machine With Improved Brush Lifetime	6873078	03/29/05	General Atomics; Confirmatory License assigned to U.S. Navy

Title	Patent No.	Issue Date	Assignee/Owner
Test Apparatus, System, and Method With A Magnetic Feature	7642806	1/5/2010	General Atomics; Confirmatory License assigned to U.S. Navy
Hydrolysis System & Process For Devices Containing Energetic Material	7883676	2/8/2011	General Atomics; Earlier Confirmatory License assigned to U.S. Air Force
Plasma Mass Filter	6096220	8/1/2000	General Atomics
Centrifugal Filter for Multi-Species Plasma	6217776	4/17/2001	General Atomics
Tandem Mass Filter	6235202	5/22/2001	General Atomics
Plasma Mass Filter	6248240	6/19/2001	General Atomics
Negative Ion Filter	6251281	6/26/2001	General Atomics
Shielded RF Antenna	6356025	3/12/2002	General Atomics
Partially Ionized Plasma Mass Filter	6398920	6/4/2002	General Atomics
Linear Filter	6403954	6/11/2002	General Atomics
Band Gap Plasma Mass Filter	6719909	4/13/2004	General Atomics
Isotope Separator	6726844	4/27/2004	General Atomics
Band Gap Mass Filter with Induced Azimuthal Electric Field	6939469	9/6/2005	General Atomics
Mass Separator with Controlled Input	6956217	10/18/2005	General Atomics
High Throughput Plasma Mass Filter	6723248	4/20/2004	General Atomics
Barrels for Electromagnetic Guns	7503249	3/17/2009	General Atomics

Pending U.S. Patent Applications of the Grantor

Title	Patent Application	Filing Date	Assignee/Owner
Controlled System for Supporting Algae Growth with Adsorbed Carbon Dioxide	14/596,451	1/14/2015	General Atomics
Method And System For Growing Microalgae In Expanding Sloped Ponds	15/258,785	9/7/2016	General Atomics
Algae Biofuel Carbon Dioxide Distribution System	13/589,951	8/20/2012	General Atomics
Modular Nuclear Fission Waste Conversion Reactor	13/566,078	8/3/2012	General Atomics
System and Method for Using A Pulse Flow Circulation for Algae Cultivation	14/270,800	5/6/2014	General Atomics
Near Infrared Reflective Coatings, Pigments, and Colored Compositions	14/620,140	2/11/2015	General Atomics
Methods and Systems for use in Laser Machining	13/708,288	12/7/2012	General Atomics
Apparatus and Method For Use In Storing Energy	13/843,489	3/15/2013	General Atomics
Floating Magnetic Antennas	15/019,903	2/9/2016	General Atomics
Tunable Magnetic Antennas Based On Magnetic Field Tuning	15/182,585	6/14/2016	General Atomics
Magnetic Antenna Based On Optical Detection	15/178,488	6/9/2016	General Atomics
Magnetic Antenna Having Magnetoresistive Sensor	15/175,947	6/7/2016	General Atomics
Material Compositions For Lightning Strike Protection	14/720,707	5/22/2015	General Atomics
Rotor Assembly and Method Of	15/070,833	3/15/2016	General Atomics

Title	Patent Application	Filing Date	Assignee/Owner
Manufacturing			
Magnet Gripper and Rotor Assembly Methods and Systems	15/013,909	2/2/2016	General Atomics
Multi-Level High Speed Adjustable Speed Drive (ASD)	15/067,448	3/11/2016	General Atomics
Forming Closely Spaced Annular Internal Corrugations In Circular Waveguides	15/158,219	5/18/2016	General Atomics
Systems and Methods For Lighter-Than Air High Altitude Platforms	15/157,132	5/17/2016	General Atomics
Deformable Magnetic Antennas	15/368,589	12/3/2016	General Atomics
Systems and Methods for Manufacturing Thermoplastic Parts	62/468,899	3/8/2017	General Atomics
Stress Analysis and Probabilistic Assessment Of Multi-Layer Sic-Based Nuclear Fuel Cladding	62/370,236	8/2/2016	General Atomics
Engineered Sic-Sic Composite and Monolithic Sic Layered Structures For Nuclear Fuel Cladding	62/372,239	8/8/2016	General Atomics
Alkali-Vapor Laser With Transverse Pumping	15/418,560	1/27/2017	General Atomics
Magnetic Antenna Structures Having Spatially Varying Profiles	15/161,141	5/20/2016	General Atomics
System and Method for Using A Pulse Flow Circulation for Algae Cultivation	15/149,717	5/9/2016	General Atomics
Method And Apparatus For Inhibiting Formation Of And/or Removing Ice From Aircraft Components	15/076,598	3/21/2016	General Atomics
Preparation of Large Ultra-Thin Free-Standing Polymer Films	15/130,524	4/15/2016	Lawrence Livermore National Security, LLC;

Title	Patent Application	Filing Date	Assignee/Owner
			Confirmatory License assigned to U.S. DOE

SCHEDULE B
to the Patent and Trademark Security Agreement

Registered U.S. Trademarks of the Borrower

Mark	Filing Date	Registration No.	Registration Date	Registered Owner
Blitzer	11/13/2009	3,978,902	06/14/2011	General Atomics
CCS Commander	03/02/2010	3,860,188	10/12/2010	General Atomics
E-Smart	07/10/1995	2,062,065	05/13/1997	General Atomics
GA (Logo)	05/04/1988	1,554,096	08/29/1989	General Atomics
GA (Logo)	05/17/1988	1,547,695	07/11/1989	General Atomics
General Atomic	05/13/1960	709041	12/27/1960	General Atomics
General Atomics	04/17/1988	1,555,093	09/05/1989	General Atomics
General Atomics	05/17/1988	1,549,501	07/25/1989	General Atomics
Nirvana	07/27/2000	2,778,200	10/28/2003	General Atomics
SRB	06/23/2000	2,590,572	07/09/2002	General Atomics
Storage Resource Broker	06/22/2000	2,561,263	04/16/2002	General Atomics
Triga	05/13/1960	709040	12/27/1960	General Atomics
TMS3000	05/28/1998	2,288,741	10/26/1999	General Atomics Electronic Systems, Inc.

Pending U.S. Trademark Applications of the Grantor

Mark	Application No.	Filing Date	Registered Owner
DataVantyx	87/202,628	10/13/2016	General Atomics
Tungsten Shield	86/939,839	03/14/2016	General Atomics
Wind Defeater	86/459,227	11/19/2014	General Atomics