

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM556133

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
AMERICAN AEROGEL CORPORATION		12/27/2019	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	COMERICA BANK		
<b>Street Address:</b>	39200 SIX MILE ROAD		
<b>Internal Address:</b>	MC 7578		
<b>City:</b>	LIVONIA		
<b>State/Country:</b>	MICHIGAN		
<b>Postal Code:</b>	48152		
<b>Entity Type:</b>	TEXAS BANKING ASSOCIATION: TEXAS		
<b>PROPERTY NUMBERS Total: 2</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	3739324	AEROCORE	
<b>Registration Number:</b>	5041027	AEROLOOP	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	8585506420		
<i>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.</i>			
<b>Phone:</b>	858-550-6433		
<b>Email:</b>	jmfitzpatrick@cooley.com		
<b>Correspondent Name:</b>	JENNIFER FITZPATRICK		
<b>Address Line 1:</b>	C/O COOLEY LLP		
<b>Address Line 2:</b>	4401 EASTGATE MALL		
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92121		
<b>ATTORNEY DOCKET NUMBER:</b>	036703-2011		
<b>NAME OF SUBMITTER:</b>	JENNIFER FITZPATRICK		
<b>SIGNATURE:</b>	/JENNIFER FITZPATRICK/		
<b>DATE SIGNED:</b>	01/06/2020		
<b>Total Attachments: 14</b> source=IPSA#page1.tif			

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of December 27, 2019, by and between COMERICA BANK ("Bank") and AMERICAN AEROGEL CORPORATION ("Grantor").

### RECITALS

**A.** Bank has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated of even date herewith (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"); capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of such Grantor under the Loan Agreement.

**B.** Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

**NOW, THEREFORE**, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and all other agreements now existing or hereafter arising between Grantor and Bank, Grantor hereby represents, warrants, covenants and agrees as follows:

### AGREEMENT

To secure its obligations under the Loan Agreement and under any other agreement now existing or hereafter arising between Grantor and Bank, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B and C attached hereto set forth any and all intellectual property rights in connection to which such Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

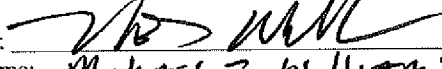
This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

*[Remainder of page left intentionally blank. Signature page follows.]*

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

AMERICAN AEROGEL CORPORATION

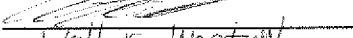
By:   
Name: Michael J. Williams  
Title: CFO

Address of Grantor:

460 Buffalo Road  
Rochester, NY 14611  
Attn: \_\_\_\_\_

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

COMERICA BANK

By:   
Name: Walter Wostow  
Title: SVP

Address of Bank:  
MC 7578  
39200 W. Six Mile Road  
Livonia, MI 48152  
Attn: National Documentation Services

**EXHIBIT A**

**Copyrights**

NONE.

**EXHIBIT B****Patents**

<b>INSULATING INSERTS, CONTAINERS COMPRISING THEM AND METHODS OF ASSEMBLING AND USING THEM</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
United States (0101030.121- US1)	61/356401	06/18/2010	Expired		
United States (0101030.121- US2)	61/442276	02/13/2011	Expired		
PCT (0101030.121- WO1)	PCT/US11/40821	06/17/2011	Entered National Phase		
United States (0101030.121- US3)	13/717582	12/17/2012	Abandoned		

<b>ORGANIC, OPEN CELL FOAM MATERIALS</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
Australia (0101030.122- AU1)	2002213437	10/04/2001	Issued	2002213437	06/05/2008
Australia (0101030.122- AU2)	2008201224	03/14/2008	Issued	2008201224	12/01/2011
Australia (0101030.122- AU3)	2011250866	11/18/2011	Abandoned		
Canada (0101030.122- CA1)	2441005	10/04/2001	Issued	2441005	08/02/2011

<b>ORGANIC, OPEN CELL FOAM MATERIALS</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
Canada (0101030.122- CA2)	2740818	05/20/2011	Abandoned		
Europe (0101030.122- EP1)	01981820.2	10/04/2001	Pending		
Europe (0101030.122- EP2)	10011296.0	09/28/2010	Abandoned		
Europe (0101030.122- EP3)	10011295.2	09/28/2010	Abandoned		
Europe (0101030.122- EP4)	10011245.7	09/28/2010	Abandoned		
Europe (0101030.122- EP5)	10011244.0	09/28/2010	Abandoned		
Europe (0101030.122- EP6)	10011243.2	09/28/2010	Abandoned		
Hong Kong (0101030.122- HK1)	04107970.5	10/14/2004	Abandoned		
Hong Kong (0101030.122- HK2)	11109496.7	09/08/2011	Abandoned		
Hong Kong (0101030.122- HK3)	11109489.6	09/08/2011	Abandoned		
Hong Kong (0101030.122- HK4)	11109488.7	09/08/2011	Abandoned		



<b>ORGANIC, OPEN CELL FOAM MATERIALS</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
India (0101030.122- IN1)	01173/KOLNP/2003	10/04/2001	Abandoned	238943	03/02/2010
India (0101030.122- IN2)	883/KOLNP/2008	02/28/2008	Abandoned		
Israel (0101030.122- IL1)	157910	10/04/2001	Issued	157910	08/16/2007
Japan (0101030.122- JP1)	2002-573844	10/04/2001	Issued	4570330	08/20/2010
Japan (0101030.122- JP2)	2006-289288	10/20/2006	Issued	4971747	04/13/2012
Japan (0101030.122- JP3)	2007-151039	05/07/2007	Abandoned		
Japan (0101030.122- JP4)	2010-174910	08/03/2010	Abandoned		
New Zealand (0101030.122- NZ1)	528922	10/04/2001	Abandoned	528922	11/09/2006
New Zealand (0101030.122- NZ3)	562116	10/01/2007	Abandoned	562116	04/09/2009
New Zealand (0101030.122- NZ4)	576429	04/23/2009	Abandoned		
PCT (0101030.122- WO2)	PCT/US01/42473	10/04/2001	Entered National Phase		

<b>ORGANIC, OPEN CELL FOAM MATERIALS</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
South Africa (0101030.122- ZA1)	2003/7703	10/04/2001	Abandoned	2003/7703	03/30/2005
United States (0101030.122- US1)	60/195165	4/6/2000	Expired		
United States (0101030.122- US2)	09/809793	03/16/2001	Abandoned		
United States (0101030.122- US3)	09/972163	10/04/2001	Issued	7005181	02/28/2006
United States (0101030.122- US4)	11/281696	11/16/2005	Issued	7521485	04/21/2009
United States (0101030.122- US5)	12/403947	03/13/2009	Issued	8071657	12/06/2011
United States (0101030.122- US6)	13/218415	08/25/2011	Issued	8436061	05/07/2013
United States (0101030.122- US7)	13/856405	04/03/2013	Abandoned		

<b>INSULATED BARRIERS AND METHODS FOR PRODUCING SAME</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
United States (0101030.123- US1)	60/253795	11/29/2000	Expired		

United States (0101030.123- US2)	09/997582	11/29/2001	Abandoned		
European (0101030.123- EP1)	01987131.8	04/06/2000	Abandoned		
PCT (0101030.123- WO1)	PCT/US01/44632	11/29/2001	Entered National Phase		

**PROCESS FOR HIGH TEMPERATURE PRODUCTION OF ORGANIC AEROGELS**

<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
United States (0101030.124- US1)	60/068861	12/29/1997	Expired		
United States (0101030.124- US2)	09/221520	12/28/1998	Expired	6090861	07/18/2000
United States (0101030.124- US3)	09/389930	09/03/1999	Expired	6077876	06/20/2000

**COMPOSITIONS COMPRISING PHASE CHANGE MATERIALS, INSULATED  
CONTAINERS COMPRISING THEM AND METHODS OF USING THEM**

<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
United States (0101030.126- US1)	61/539907	09/27/2011	Expired		

**SHIPPING BOX**

<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
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United States (0101030.127- US1)	29/419651	04/30/2012	Abandoned		
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**SHIPPING BOX**

<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
United States (0101030.128- US1)	61/640611	04/30/2012	Expired		
United States (0101030.128- US2)	13/873050	04/29/2013	Abandoned		

**TEMPLATE-ASSISTED PRODUCTION OF POROUS MATERIALS**

<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
United States (0101030.129- US1)	61/982932	04/23/2014	Expired		
United States (0101030.129- US2)	62/015340	06/20/2014	Expired		
PCT (0101030.129- WO1)	PCT/US15/27398	04/23/2015	Entered National Phase		
Brazil (0101030.129- BR1)	1120160248058	04/23/2015	Pending		
Canada (0101030.129- CA1)	2,946,746	04/23/2015	Pending		
China (0101030.129- CN1)	201580028150.6	04/23/2015	Pending		

<b>TEMPLATE-ASSISTED PRODUCTION OF POROUS MATERIALS</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
European (0101030.129- EP1)	15782535.7	04/23/2015	Pending		
India (0101030.129- IN1)	201637037386	04/23/2015	Abandoned		
Korea (0101030.129- KR1)	10-2016-7032547	04/23/2015	Pending		
Singapore (0101030.129- SG1)	11201608857W	04/23/2015	Abandoned		
Singapore (0101030.129- SG2)	10201809355P	04/23/2015	Pending		
United States (0101030.129- US3)	15/305961	10/21/2016	Pending		

<b>VESSEL ASSEMBLIES FOR TEMPERATURE CONTROLS</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
United States (0101030.130- US1)	62/147631	04/15/2015	Expired		
PCT (0101030.130- WO1)	PCT/US16/027638	04/14/2016	Entered National Phase		
Canada (0101030.130- CA1)	2982788	04/14/2016			

<b>VESSEL ASSEMBLIES FOR TEMPERATURE CONTROLS</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
European (0101030.130- EP1)	16780789.0	04/14/2016			
Hong Kong (0101030.130- HK1)	18110667.1	04/14/2016			
United States (0101030.130- US2)	15/566,419	10/13/2017			

<b>LINKED ANTENNA PAIR FOR TRANSMISSION THROUGH SHIELDED SHIPPING CONTAINER</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>
United States (0101030.132- US1)	62/409611	10/18/2016	Expired		
European (0101030.132- EP1)	17861296.6	10/17/2017	Pending		
PCT (0101030.132- WO1)	PCT/US17/56907	10/17/2017	Entered National Phase		
United States (0101030.132- US2)	16/342811	04/17/2019	Pending		

<b>COMPARTMENTALIZED SHIPPING CONTAINER FOR TEMPERATURE CONTROL MATERIAL DISTRIBUTION</b>					
<b>COUNTRY (Our Reference)</b>	<b>SERIAL NO.</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>PATENT NO.</b>	<b>GRANT DATE</b>

United States (0101030.135- US1)	62/573136	10/16/2017	Expired		
PCT (0101030.135- WO1)	PCT/US18/055889	10/15/2018	Pending		

**EXHIBIT C**

**Trademarks**

<b>Mark</b>	<b>Date of Registration</b>	<b>Registration Number</b>	<b>Status</b>	<b>Country or State</b>
AEROCORE™	9/8/2009	3739324	Registered	United States
AEROLOOP™	2/8/2016	5041027	Registered	United States

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