

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GUANGDONG ALISON HI-TECH CO., LTD.,
Petitioner

v.

ASPEN AEROGELS, INC.,
Patent Owner

Case IPR2017-00201
Patent 7,399,439

**PATENT OWNER ASPEN AEROGELS, INC.'S
PRELIMINARY RESPONSE**

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LIST OF EXHIBITS

Exhibit No.	Description
AA 2001	Aspen's 6th Supplemental Response to Nano 1st Set of Interrogatory No. 43 (Oct. 3, 2016)
AA 2002	Press Release: Aspen Aerogels Receives Title III Funding to Build High Technology Manufacturing Facility in Rhode Island (ASPEN0040124-ASPEN0040126) (Sept. 17, 2004)
AA 2003	Frank '075 – U.S. Pat. No. 5,789,075
AA 2004	Fricke, <i>et al.</i> , Optimization of Monolithic Silica Aerogel Insulants (ASPEN0040127-40131), April 18, 1991
AA 2005	RESERVED
AA 2006	RESERVED
AA 2007	RESERVED
AA 2008	Brinker & Scherer, Sol-Gel Science: The Physics and Chemistry of Sol-Gel Processing (Academic Press, Inc. 1990)
AA 2009	RESERVED
AA 2010	RESERVED
AA 2011	Declaration by Dr. George L. Gould and Appendices A & B
AA 2012	Wikipedia: "Sol-Gel" https://en.wikipedia.org/wiki/Sol-gel
AA 2013	Order No. 35: Construing Certain Terms of the Asserted Claims of the Patents at Issue (<i>Markman</i> Claim Construction), <i>In the Matter of Certain Composite Aerogel Insulation Materials and Methods</i>

	<i>for Manufacturing the Same</i> , Inv. No. 337-TA-1003, USITC (Jan. 31, 2017)
AA 2014	RESERVED
AA 2015	McGraw-Hill Dictionary of Chemistry (2d.), definitions of “gel,” “solution,” and “suspension”
AA 2016	BASCO Viscosity Charts & Conversion Tables, available at http://bascousa.com/images/advisors/407%20condensed.pdf
AA 2017	Stedman’s Medical Dictionary (27 th ed.), definition of “precursor”
AA 2018	Portion of ‘439 Patent Prosecution History, ASPEN0000647 (Apr. 3, 2007 Resp. at 13)

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