UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

BASF CORPORATION

Petitioner

v.

INGEVITY SOUTH CAROLINA, LLC

Patent Owner

Case No. PGR2020-00037

Patent 10,323,553

JOINT MOTION TO SEAL THE BOARD'S FINAL WRITTEN DECISION ON REMAND OF JANUARY 26, 2024 AND TO INSTEAD PUBLISH REDACTED VERSION (EXHIBIT 2086)

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Exhibit List

Exhibit Number	Description
2001	*Reserved*
2002	J.W. McBain & A.M. Bakr, "A New Sorption Balance," *Journal of the American Chemical Society*, Vol. 48 (1926)
2003	J.U. Keller & E. Robens, "A Note On Sorption Measuring Instruments," *Journal of Thermal Analysis and Calorimetry*, Vol. 71 (2003)
2004	ASAP 2020 – Accelerated Surface Area and Porosimetry System (Micromeritics)
2005	ASAP2020 Technique Overview (Micromeritics)
2006	*Reserved*
2007	A. Anson, et al., "Hydrogen adsorption on a single-walled carbon nanotube material: a comparative study of three different adsorption techniques," *Nanotechnology*, Vol. 15 (2004) 1503-1508
2008	P. Webb & C. Orr, Analytical Methods in Fine Particle Technology (1997)
2009	BASF Corp. v. Ingevity South Carolina, LLC, IPR2019-00202, Paper 10 (May 13, 2019) (Decision Denying Institution of Inter Partes Review)
2010	BASF Corp. v. Ingevity South Carolina, LLC, IPR2019-00202, Paper 13 (Oct. 17, 2019) (Decision Denying Request of Rehearing of Institution Decision)
2011	Email from counsel for BASF on July 15, 2020 to the Board.
2012	Order Regarding Confidentiality Designations, Ingevity Corp. v. BASF Corp., C.A. No. 1:18-cv-01391-RGA, D.I. 221 (Jan. 21, 2020).
2013	[Proposed] Stipulated Protective Order
2014	Markup Comparison Showing Differences Between the [Proposed] Stipulated Protective Order and the Default Protective Order

Exhibit Number	Description
2015	Mercer Instruments – IGA Gravimetric Analysers for Sorption Analysis
2016	Micromeritics Poster: Volumetric Gas Adsorption Apparatus for the Measurement of Physical Adsorption and Desorption Isotherms
2017	U.S. Patent No. 7,186,291 to Thomas Wolf
2018	U.S. Patent No. 8,864,877 to Nishita et al.
2019	U.S. Patent No. 9,322,368 to Arase et al.
2020	U.S. Patent Appl. Pub. No. 2020/0018265 to Chen et al.
2021	Annotations to Ex. B of Zielinski Declaration
2022	Declaration of Dr. David A. Rockstraw, Ph.D., P.E. (Under Seal – Protective Order Material)
2023	CV of Dr. David A. Rockstraw, Ph.D., P.E.
2024	Transcript of Deposition of Dr. Laif R. Alden on December 17, 2020 in PGR2020-00037 (Under Seal – Protective Order Material)
2025	Transcript of Deposition of Mr. James M. Lyons on January 7, 2021 in PGR2020-00037
2026	Transcript of Deposition of Dr. John M. Zielinkski on January 8, 2021 in PGR2020-00037
2027	Declaration of Roger Williams
2028	*A Brief History of US Fuel Efficiency Standards*, Union of Concerned Scientists (Dec. 6, 2017), https://www.ucsusa.org/resources/brief-history-us-fuel-efficiency (exhibit printed Jan. 12, 2021)
2029	Envtl. Prot. Agency, *The 2020 EPA Automotive Trends Report*, at 36-37 (2020), *available at* https://www.epa.gov/sites/production/files/2021-01/documents/420r21003.pdf (exhibit printed Jan. 11, 2021)
2030	U.S. Patent No. 6,681,789
2031	U.S. Patent No. 7,448,367
2032	U.S. Patent No. 8,447,494
2033	U.S. Patent No. 8,630,786
2034	U.S. Patent No. 8,074,627
2035	U.S. Patent No. 8,397,552
2036	U.S. Patent No. 8,215,291
2037	U.S. Patent No. 9,376,991

Exhibit Number	Description
2038	U.S. Patent No. 9,322,342
2039	U.S. Patent No. 9,217,397
2040	U.S. Patent No. 9,857,266
2041	U.S. Patent Appl. Pub. No. 2014/0123961
2042	U.S. Patent No. 9,228,541
2043	U.S. Publication No. 2014/0318514
2044	U.S. Patent No. 9,279,397
2045	U.S. Publication No. 2009/0007890
2046	U.S. Publication No. 2009/0288645
2047	U.S. Patent No. 9,546,620
2048	U.S. Publication 2009/0084363
2049	U.S. Patent No. 8,495,988
2050	U.S. Patent No. 9,518,539
2051	U.S. Patent No. 10,337,462
2052	U.S. Patent No. 9,657,691
2053	Int'l Publication No. WO2011/020627
2054	U.S. Publication No. 2013/0037007
2055	U.S. Publication No. 2016/0053725
2056	Redacted and Excerpted Transcript of Lyons Deposition on 10/30/2018 in D. Del. 18-1391
2057	BASF letter to EPO Opposition Division concerning EP 2,906,811 dated Jan. 13, 2020
2058	EPO Opposition Division Interlocutory Decision concerning EP 2,906,811 dated Apr. 15, 2020
2059	Redacted and Excerpted Transcript of Guo Deposition on 1/9/2020 in D. Del. 18-1391
2060	Redacted and Excerpted Transcript of Lyons Deposition on 5/28/2020 in D. Del. 18-1391
2061	U.S. Patent No. 7,114,492
2062	U.S. Publication No. 2011/0168025
2063	U.S. Patent No. 7,600,506
2064	U.S. Patent No. 9,228,541
2065	U.S. Patent No. 9,279,397
2066	U.S. Patent No. 9,546,620
2067	S. Kiefer & E. Robens, "Some Intriguing Items in the History of Volumetric and Gravimetric Adsorption Measurements," *Journal of Thermal Analysis and Calorimetry*, Vol. 94 (2008)

Exhibit Number	Description
2068	I. Langmuir, "The Adsorption of Gases on Plane Surfaces of Glass, Mica, and Platinum" (1918)
2069	J. Zielinski, et al., "High pressure sorption isotherms via differential pressure measurements," *Adsorption*, Vol. 13 (2007) 1-7
2070	D. Del. 18-1391 [302] BASF REDACTED Opening MSJ Daubert Brief
2071	Redacted and Excerpted Reply Expert Report of James M. Lyons Regarding the Invalidity and Unenforceability of U.S. Patent No. RE38,844 dated April 17, 2020 in D. Del. 18-1391
2072	*Reserved*
2073	*Reserved*
2074	*Reserved*
2075	Redacted and Excerpted Rebuttal Expert Report of James M. Lyons Regarding U.S. Patent No. RE38,844 dated Mar. 20, 2020 in D. Del. 18-1391
2076	BASF Opposition to EP 2,906,811 dated Nov. 6, 2018
2077	Certified Translation of Chinese Oral Hearing Record Case No. 4w108843 dated Sept. 20, 2019
2078	Mysteries of the Air/Fuel Ratio (AFR) Explained
2079	NIST Facility for Adsorbent Characterization and Testing (FACT)
2080	Data Supporting Declaration of Roger Williams (Under Seal – Protective Order Material)
2081	Redacted and Excerpted Expert Report of James M. Lyons Regarding the Invalidity and Unenforceability of U.S. Patent No. RE38,844 dated Feb. 14, 2020 in D. Del. 18-1391
2082	Redacted and Excerpted Expert Report of Dr. David A. Rockstraw Regarding Validity of U.S. Patent No. RE38,844
2083	Transcript of Deposition of Mr. James M. Lyons on May 19, 2021 in PGR2020-00037
2084	Corrected Patent Owner's Demonstratives Exhibits

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