

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

VANTAGE SPECIALTY CHEMICALS, INC.,

Petitioner

v.

CARGILL, INC.,

Patent Owner.

Case No. IPR2023-00589

U.S. Patent No. 11,248,245

PETITIONER'S UPDATED EXHIBIT LIST

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Exhibit No.	Description
1001	U.S. Patent No. 11,248,245
1002	File History of U.S. Patent No. 11,248,245
1003	Declaration of Dr. David A. Rockstraw, Ph.D., P.E.
1004	Melanie Cummings et al., <i>A natural alternative</i> , SOAP, PERFUMERY, AND COSMETICS (SPC) ASIA (May 1, 1999) <i>available at</i> https://www.floratech.com/PDFs/Articles_MKT/ART15.pdf (“Cummings”)
1005	James Brown & Robert Kleinman, <i>Trans Isomers in Cosmetics</i> , SOAP & COSMETICS at 33 (May 2001) (“ <i>Trans Isomers 1</i> ”)
1006	James Brown & Robert Kleinman, <i>Trans Isomers in Cosmetics Part 2</i> , SOAP & COSMETICS at 44 (June 2001) (“ <i>Trans Isomers 2</i> ”)
1007	U.S. Patent No. RE38,141E1 to Brown et al. (“Brown”)
1008	Xuebing Xu, <i>Engineering of enzymatic reactions and reactors for lipid modification and synthesis</i> , 105 EUR. J. LIPID SCI TECH. 289 (2003) (“Xu”)
1009	David J. Sessa, <i>Derivation of a Cocoa Butter Equivalent from Jojoba Transesterified Ester via a Differential Scanning Calorimetry Index</i> , 72 J. SCI. FOOD AGRI. 295 (1996) (“Sessa”)
1010	U.S. Patent No. 5,968,530 to Arquette et al. (“Arquette”)
1011	U.S. Patent No. 6,280,746 to Arquette et al. (“the ’746 patent”)
1012	Barbara Fitch Haumann, <i>Tools: hydrogenation, interesterification</i> , 5 INFORM 668 (June 1994)
1013	Otero et al., <i>Continuous Enzymatic Transesterification of Sesame Oil and a Fully Hydrogenated Fat: Effects of Reaction Conditions on Product Characteristics</i> , 94 BIOTECH. & BIOENG’G 877 (2006)
1014	James Brown & Robert Kleinman, <i>Trans Isomers in Cosmetics Parts 1 and 2</i> , Reprinted from SOAP & COSMETICS (May & June 2001) <i>available at</i> https://www.floratech.com/PDFs/Articles_MKT/ART17.pdf
1015	U.S. Patent App. Pub. No. 2005/0176597 to Kodali & Nivens
1016	U.S. Patent App. Pub. No. 2004/0208904 to Touitou & Bergelson
1017	X. Xu et al., <i>Chemical and enzymatic interesterification of lipids for use in food</i> , in <i>Modifying lipids for use in food</i> 234 (Frank D. Gunstone, ed., 2006)

Exhibit No.	Description
1018	Arnaldo Lopez-Hernandez et al., <i>Lipase-catalyzed Transesterification of Medium-chain Triacylglycerols and a Fully Hydrogenated Soybean Oil</i> , 70 J. FOOD SCI. C365 (Jul. 13, 2005)
1019	Declaration of Nancy Adams, MLIS, EdD
1020	Complaint (Dkt No. 1) filed in <i>Cargill, Inc. v. Vantage Specialty Chemicals, Inc.</i> , No. 1:22-cv-00979-RGA-SRF (D. Del. July 26, 2022)
1021	Scheduling Order (Dkt No. 15) filed in <i>Cargill, Inc. v. Vantage Specialty Chemicals, Inc.</i> , No. 1:22-cv-00979-RGA-SRF (D. Del. Oct. 3, 2022)
1022	Excerpt of United States District Courts, Federal Court Management Statistics Report for the 12-month period ending June 30, 2022, available at https://www.uscourts.gov/sites/default/files/fcms_na_distprofile0630.2022_0.pdf
1023	T. Haryati et al., <i>Determination of Iodine Value of Palm Oil Based on Triglyceride Composition</i> , 75 J. AM. OIL CHEMISTS' SOC. 789 (1998)
1024	ASTM Int'l, ASTM D5554-95 Standard Test Method for Determination of the Iodine Value of Fats and Oils (Reapproved 2006)
1025	Am. Oil Chemists' Soc., <i>AOCS Recommended Practice Cd 1c-85</i> (Reapproved 2009), in Am. Oil Chemists' Soc., <i>Official Methods and Recommended Practices of the AOCS</i> (David Firestone, ed., 2013)
1026	Excerpt of Richard O'Brien, <i>Fats and Oils: Formulating and Processing for Applications</i> (CRC Press 3rd ed. 2009)
1027	Excerpt of <i>Physical and Chemical Characteristics of Oils, Fats, and Waxes</i> (AOCS Press, David Firestone, ed., 3rd ed. 2013).
1028	Cosmetic Ingredient Review, <i>Final Report of the Cosmetic Ingredient Review Panel: Safety Assessment of Simmondsia Chinensis (Jojoba) Seed Oil, Simmondsia Chinensis (Jojoba) Seed Wax, Hydrogenated Jojoba Oil, Hydrolyzed Jojoba Esters, Isomerized Jojoba Oil, Jojoba Esters, Simmondsia Chinensis (Jojoba) Butter, Jojoba Alcohol, and Synthetic Jojoba Oil</i> (Sept. 23, 2008) available at https://www.cir-safety.org/ingredient/simmondsia-chinensis-jojoba-seed-oil
1029	Junzo Otera, <i>Transesterification</i> , 93 CHEM. REV. 1449 (1993)

Exhibit No.	Description
1030	Ramesh Chandra Gupta & Gulab Kanwar, <i>Determination of Iodine Numbers of Edible Oils</i> , 22 Biomedical Education 47 (1994)
1031	Declaration of Thomas R. Makin in support of <i>pro hac vice</i> admission
1032	L. Deng, et al., “Synthesis of wax esters by lipase-catalyzed esterification with immobilized lipase from <i>Candida</i> sp. 99–125,” <i>Chinese Journal of Chemical Engineering</i> , vol. 19, no. 6 (2011), 978-982
1033	Hills, Geoffrey, “Industrial use of lipases to produce fatty acid esters,” <i>European journal of lipid science and technology</i> , 105(10) (2003), 601-607
1034	U.S. Patent Application Pub. No. 2014/0017741
1035	Lei, et al. “Functional monoesters of jojoba oil can be produced by enzymatic interesterification: reaction analysis and structural characterization,” <i>European Journal of Lipid Science and Technology</i> , 117(5) (2015)
1036	International Patent Appl. Pub. No. WO 2001/072683 A1
1037	International Patent Appl. Pub. No. WO 2008/092207 A1
1038	M.C. De Zoete, et al., <i>Ammonolysis of Carboxylic Esters Catalyzed by Lipases</i> , included as a chapter in Jonathan S. Dordick et al., <i>Enzyme Engineering XIII</i> , ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, Vol. 799, New York Academy of Sciences (October 12, 1996)
1039	Kirk-Othmer, <i>Concise Encyclopedia of Chemical Technology</i> , United Kingdom, Wiley (1999)
1040	Second Declaration of Nancy Adams, MLIS, EdD
1041	Deposition Transcript of Thomas M. Schultz, <i>Vantage Special Chemicals, Inc. v. Cargill, Inc.</i> PTAB Proceeding No. IPR2023-00589, February 15, 2024

Exhibit No.	Description
1042	Exhibit 6 to the Deposition Transcript of Thomas M. Schultz, <i>Vantage Special Chemicals, Inc. v. Cargill, Inc.</i> PTAB Proceeding No. IPR2023-00589, February 15, 2024 (Lei, et al. “Functional monoesters of jojoba oil can be produced by enzymatic interesterification: reaction analysis and structural characterization,” <i>European Journal of Lipid Science and Technology</i> , 117(5) (2015))
1043	CONFIDENTIAL – Deposition Transcript of Jeff Addy, <i>Cargill, Inc., et al. v. Vantage Specialty Chemicals, Inc.</i> , No. 1:22-cv-00979-RGA-SRF (D. Del.), dated August 24, 2023
1044	U.S. Patent App. Pub. No. 2016/0177350
1045	CONFIDENTIAL – Exhibit 35 to the Deposition Transcript of Michael Savidakis, <i>Cargill, Inc., et al. v. Vantage Specialty Chemicals, Inc.</i> , No. 1:22-cv-00979-RGA-SRF (D. Del.), dated August 16, 2023
1046	CONFIDENTIAL – Exhibit 36 to the Deposition Transcript of Michael Savidakis, <i>Cargill, Inc., et al. v. Vantage Specialty Chemicals, Inc.</i> , No. 1:22-cv-00979-RGA-SRF (D. Del.), dated August 16, 2023
1047	Deposition Transcript of Delrika Curry, <i>Vantage Special Chemicals, Inc. v. Cargill, Inc.</i> PTAB Proceeding No. IPR2023-00589, dated February 20, 2024
1048	Petitioner’s Hearing Demonstratives

Dated: June 10, 2024

/s/ Eric S. Lucas

Eric S. Lucas (Reg. No. 76,434)

ALLEN OVERY SHEARMAN STERLING US LLP

599 Lexington Avenue

New York, NY 10022

eric.lucas@aoshearman.com

Tel. (212) 848-4955

Lead Counsel for Petitioner

CERTIFICATE OF SERVICE

I hereby certify that the foregoing Petitioner's Updated Exhibit List was served on June 10, 2024, via electronic mail upon counsel of record for Patent Owner, listed below, at the following email address:

IPR47604-0020IP1@fr.com

W. Karl Renner, Reg. No. 41,265
Grace J. Kim, Reg. No. 71,977
Michael J. Kane, Reg. No. 37,722
Ahmed J. Davis, *Pro Hac Vice*
Casey M. Kraning, *Pro Hac Vice*

Dated: June 10, 2024

/s/ Eric S. Lucas

Eric S. Lucas (Reg. No. 76,434)
ALLEN OVERY SHEARMAN STERLING US LLP
599 Lexington Avenue
New York, NY 10022
eric.lucas@shearman.com
Tel. (212) 848-4955

Lead Counsel for Petitioner