

U.S. Patent No. 11,224,864
Patent Owner's Updated Exhibit List
IPR2023-01063

Paper No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

W.R. GRACE & CO.-CONN,
Petitioner

v.

COCHISE TECHNOLOGY, LLC
Patent Owner

Patent No. 11,224,864

Inter Partes Review No. IPR2023-01063

PATENT OWNER'S UPDATED EXHIBIT LIST

LISTING OF EXHIBITS

Exhibit No.	Description
2001	Declaration of Everett Carpenter
2002	Sadeghbeigi, R. (2020). Fluid catalytic cracking handbook: An expert guide to the practical operation, design, and optimization of FCC units. Butterworth-Heinemann.
2003	Demmel, E. Effective Use of CO Promoter in Fluid Catalytic Cracking Operation. Intercat Corporation.
2004	Tang, Y. L., Mo, X., Allahverdi, Y., & Izakya D. (2012) High Resolution Electron Microscopy Study of Nano Structure in CO Emission Control Additives. Microscopy and Microanalysis, July 29-August 2, 2012, Phoenix, AZ.
2005	Luo, L., Rainer, D., & Gonzalez, J. A. (2007). Laboratory deactivation testing for the stability of FCC CO combustion promoters. Applied Catalysis B: Environmental, 72(3-4), 212-217.
2006	Muroi, T. (2012). Role of precious metal catalysts. Noble Metals, 301-334.
2007	Pinna, F. (1998). Supported metal catalysts preparation. Catalysis Today, 41(1-3), 129-137.
2008	Mojet, B. L., Miller, J. T., Ramaker, D. E., & Koningsberger, D. C. (1999). A new model describing the metal-support interaction in noble metal catalysts. Journal of catalysis, 186(2), 373-386.
2009	Argyle, M. D., & Bartholomew, C. H. (2015). Heterogeneous catalyst deactivation and regeneration: a review. Catalysts, 5(1), 145-269.
2010	Plaintiff G. W. Aru, LLC's Complaint for Patent Infringement against

U.S. Patent No. 11,224,864
Patent Owner's Preliminary Response
IPR2023-01063

Exhibit No.	Description
	Defendant W.R. Grace & Co.-Conn, 22-cv-02636-JKB, Dkt. 1 (Oct. 13, 2022).
2011	Defendant W.R. Grace & Co.-Conn's Answer to Plaintiff's Complaint, 22-cv-02636-JKB, Dkt. 15 (Dec. 12, 2022).
2012	Scheduling and Discovery Order , 22-cv-02636-JKB, Dkt. 24 (Jan 26, 2023).
2013	Defendant W.R. Grace & Co.-Conn's Initial Disclosures of Preliminary Invalidity Contentions, 22-cv-02636-JKB, served May 13, 2023.
2014	Defendant W.R. Grace & Co.-Conn's Responsive Proposed Claim Construction Statement, 22-cv-02636-JKB, served July 13, 2023.
2015	Joint Claim Construction Statement, 22-cv-02636-JKB, Dkt. 72 (Aug 7, 2023).
2016	Docket Navigator, Time to Trial for Similar Patent Cases in Federal District of Maryland from Jan 1, 2013 through September 20, 2023 (Sep. 20, 2023).
2017	Tian, G., Xia, D., & Zhan, F. (2004). The oxidation of tetralin and its effect on the stability of fluidized catalytic cracked diesel. Energy & fuels, 18(1), 49-53.
2018	Ruckenstein, E., & Chu, Y. F. (1979). Redispersion of platinum crystallites supported on alumina—role of wetting. Journal of Catalysis, 59(1), 109-122.
2019	Van Santen, R. A. (2017). Chapter 3: Physcial Chemistry, Elementary Kinetics. Modern heterogeneous catalysis: an introduction. John Wiley & Sons.

U.S. Patent No. 11,224,864
Patent Owner's Preliminary Response
IPR2023-01063

Exhibit No.	Description
2020	U.S. Courts, Suspending Jury Trials as Covid-19 Cases Surge (Nov. 20, 2020), https://www.uscourts.gov/news/2020/11/20/courts-suspending-jury-trials-covid-19-cases-surge
2021	Standing Order 2020-20, United States District Court for the District of Maryland (Nov. 11, 2020), https://www.mdd.uscourts.gov/sites/mdd/files/2020-20.pdf
2022	United States District Court for the District of Maryland, Civil Cases by Nature of Suit. Cases Pending as of Saturday, December 31, 2022 (Jan. 20, 2023), https://www.mdd.uscourts.gov/sites/mdd/files/NOS_Report_2022.pdf
2023	U.S. Courts, U.S. District Courts—Combined Civil and Criminal Federal Court Management Statistics (Jun. 30, 2023), https://www.uscourts.gov/sites/default/files/data_tables/fcms_na_distprofile0630.2023.pdf
2024	United States District Court for the District of Maryland, Order and Memorandum, 22-cv-02636-JKB, Dkt. 110 (Oct. 31, 2023).

Respectfully submitted,

Dated: November 2, 2023

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CERTIFICATE OF SERVICE

The undersigned hereby certifies that a copy of the foregoing **Patent Owner's Updated Exhibit List and Ex. 2024** were served on November 2, 2023, by email:

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