

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ASCEND ELEMENTS, INC.,
Petitioner,

v.

DUESENFELD GMBH,
Patent Owner.

IPR2024-00948
Patent 11,050,097

Before MEREDITH C. PETRAVICK, CHRISTPHER M. KAISER, and KEVIN
W. CHERRY, *Administrative Patent Judges*.

PETITIONER'S UPDATED EXHIBIT LIST

LISTING OF EXHIBITS

Exhibit	Description
1001	U.S. Patent No. 11,050,097 ("097 Patent")
1002	Patent Prosecution History for U.S. Patent No. 11,050,097
1003	Declaration of Dr. Walter van Schalkwijk
1004	U.S. Patent No. 9,780,419 ("Hanisch")
1005	U.S. Patent No. 6,447,669 ("Lain")
1006	U.S. Patent No. 9,843,077 ("Hayashi")
1007	PCT Application Publication No. WO 2010/102377 ("Stevens II")
1008	U.S. Patent No. 4,357,215 ("Goodenough")
1009	Dorella G. & Mansur M.B., A study of the separation of cobalt from spent Li-ion battery residues, 170 J. Power Sources 210 (2007) ("Dorella")
1010	U.S. Patent No. 10,396,408 ("Shin")
1011	U.S. Patent No. 5,632,863 ("Meador")
1012	<i>Duesenfeld GmbH v. Ascend Elements, Inc.</i> , Civ. A. No. 1:23-cv-01194-JFM, Scheduling Order, ECF No. 22 (D. Del. Jan. 26, 2024)
1013	Federal Court Management Statistics–Comparison Within Circuit (Dec. 31, 2023), <i>available at</i> https://www.uscourts.gov/statistics/table/na/federal-court-management-statistics/2023/12/31-3
1014	U.S. Patent No. 9,509,025 ("Iida")
1015	U.S. Patent No. 3,671,318 ("Moe")
1016	U.S. Patent No. 4,118,219 ("Elmore")
1017	U.S. Patent No. 6,524,737 ("Tanii")
1018	U.S. Patent No. 9,450,277 ("Dunagan")
1019	U.S. Patent No. 8,210,456 ("Stevens I")
1020	Declaration of Josef B. Schenker in Support of Motion for <i>Pro Hac Vice</i> Admission
1021	Declaration of Conor McDonough in Support of Motion for <i>Pro Hac Vice</i> Admission
1022	Declaration of Darlena Subashi in Support of Motion for <i>Pro Hac Vice</i> Admission
1023	Declaration of Walter van Schalkwijk
1024	Deposition transcript of Vani Dantam date March 24, 2025
1025	Deposition transcript of Lydia Grote dated April 18, 2025

Exhibit	Description
1026	<i>Duesenfeld GMBH v. Ascend Elements, Inc.</i> , Civ. A. No. 1:23-cv-01194-JFM, Declaration of Lydia Grote, ECF No. 94 (D. Del. Jan. 26, 2024)
1027	DUESENFELD IPR00000131-153
1028	DUESENFELD IPR00000154
1029	<i>URT Umwelt und Recyclingtechnik GmbH v. Duesenfeld GmbH</i> , IPR2024-00887, Paper 18 (Patent Owner Response [REDACTED])
1030	Furushima et al., <i>Thermal stability and kinetics of delithiated LiCoO₂</i> , <i>J. Power Sources</i> , 196:4 (2011), 2260–2263
1031	<i>URT Umwelt und Recyclingtechnik GmbH v. Duesenfeld GmbH</i> , IPR2024-00887, EX2025 (Dantam Declaration)
1032	Julien, C.M.; Mauger, A.; Zaghbi, K.; Groult, H. Comparative issues of cathode materials for Li-ion batteries. <i>Inorganics</i> 2014 , 2, 132–154
1033	U.S. Patent No. 3,448,857
1034	Georgi-Maschler, T.; Friedrich, B.; Weyhe, R.; Heegn, H.; Rutz, M. Development of a Recycling Process for Li-ion Batteries., <i>J. Power Sources</i> 2012, 207, 173–182
1035	Zhang T., He Y., Ge L., Fu R., Zhang X., Huang Y., <i>J. Power Sources</i> 2013, 240, 766
1036	https://icma.org/sites/default/files/305268_www.nfpa.org~_media_Files_Research_Research_Foundation_Research_Foundation_reports_Hazardous_materials_RFLithiumIonBatteriesIIB.pdf
1037	https://www.usfa.fema.gov/a-z/lithium-ion-batteries/risks-and-response-strategies/
1038	https://www.fire.tc.faa.gov/pdf/TC-16-17.pdf
1039	Petitioner's Demonstrative Slides for August 22, 2025 Oral Argument

Dated: August 19, 2025

Respectfully submitted,

/s/ Andrew Gish

Andrew Gish (Reg. # 67,562)

CERTIFICATE OF SERVICE

The undersigned hereby confirms that on August 19, 2025, the foregoing Petitioner's Updated Exhibit List was served in its entirety via e-mail to the following attorneys of record for Patent Owner listed below:

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