

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ZHUHAI COSMX BATTERY CO., LTD.,
Petitioner

v.

NINGDE AMPEREX TECHNOLOGY LTD.,
Patent Owner

Case No. IPR2025-00432
U.S. Patent No. 11,575,148

PATENT OWNER'S UPDATED EXHIBIT LIST

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Pursuant to 37 C.F.R. § 42.63(e), Patent Owner Ningde Amperex Technology Ltd. (“ATL”) submits a current listing of exhibits. Patent Owner’s Exhibit 2056 is being filed today.

LIST OF EXHIBITS

Exhibit Number	Description
2001	Second Amended Complaint, <i>Ningde Amperex Tech. Ltd. v. Zhuhai CosMX Battery Co.</i> , Case No. 2:24-cv-00728-JRG, ECF No. 23 (E.D. Tex. Jan. 28, 2025)
2002	Scheduling Order, <i>Ningde Amperex Tech. Ltd. v. Zhuhai CosMX Battery Co.</i> , Case No. 2:24-cv-00728-JRG, ECF No. 27 (E.D. Tex. Feb. 6, 2025)
2003	CosMX Invalidity Contentions Cover Pleading, <i>Ningde Amperex Tech. Ltd. v. Zhuhai CosMX Battery Co.</i> , Case No. 2:24-cv-00728-JRG (E.D. Tex. Jan. 7, 2025)
2004	Summons to attend oral proceedings in German Case No. 3 Ni 12/23 (EP) (“Germany Order 1”)
2005	Summons to attend oral proceedings in German Case No. 3 Ni 12/24 (EP) (“Germany Order 2”)
2006	Docket Navigator Statistics for Judge Rodney Gilstrap (accessed May 5, 2025)
2007	Docket, <i>Ningde Amperex Tech. Ltd. v. Zhuhai CosMX Battery Co.</i> , Case No. 2:22-cv-00232 (E.D. Tex.)
2008	Joint Motion for Entry of Protective Order, <i>Ningde Amperex Tech. Ltd. v. Zhuhai CosMX Battery Co.</i> , No. 2:24-cv-00728-JRG, ECF No. 30 (E.D. Tex. Feb. 11, 2025)
2009	Amended Final Judgment, <i>Ningde Amperex Tech. Ltd. v. Zhuhai CosMX Battery Co.</i> , Case No. 2:22-cv-00232, ECF No. 427 (E.D. Tex.)
2010	Article, <i>Lithium battery manufacturer ATL won injunction against its Chinese rival COSMX in German Court</i> , China IP Today (April 6, 2024)
2011	Reserved
2012	Reserved
2013	Reserved

Exhibit Number	Description
2014	Reserved
2015	Declaration of Dean R. Wheeler, Ph.D.
2016	<i>Curriculum Vitae</i> of Dean R. Wheeler, Ph.D.
2017	Reserved
2018	Reserved
2019	Reserved
2020	Reserved
2021	Reserved
2022	Reserved
2023	Reserved
2024	Reserved
2025	<i>2016 Batteries Conference GRC</i> , https://www.grc.org/batteries-conference/2016/ (accessed on May 12, 2025)
2026	<i>Hubs – Department of Energy</i> , https://www.energy.gov/hubs (accessed on May 12, 2025)
2027	<i>DOE Energy Innovation Hubs</i> , https://science.osti.gov/bes/Research/DOE-Energy-Innovation-Hubs (accessed on May 12, 2025)
2028	Salvatore Luiso & Peter Fedkiw, <i>Lithium-ion battery separators: Recent developments and state of art</i> , 20 <i>Current Opinion in Electrochemistry</i> 99–107 (2020).
2029	Sugino Machine Ltd., <i>StarBurst® P2218E 102501 AS</i> (Sugino Machine Ltd. 2025)
2030	<i>Declaration of Brady Cox in Support of Patent Owner’s Notice of Intent to Designate Provisionally Recognized PTAB Attorney Under 37 C.F.R. § 42.10(c)(2)</i>
2031	Declaration of Samuel P. Gido, Ph.D., dated February 22, 2023, IPR2023-00587
2032	CosMX Proposed Construction of Claim Terms, <i>Ningde Amperex Tech. Ltd. v. Zhuhai CosMX Battery Co.</i> , No. 2:24-cv-00728-JRG
2033	Deposition Transcript of Samuel P. Gido, Ph.D., dated November 13, 2025, IPR2025-00432
2034	Supplemental Declaration of Dean R. Wheeler, Ph.D.
2035	Valadoula Deimede and Costas Elmasides, <i>Separators for Lithium-Ion Batteries: A Review on the Production Processes and Recent Developments</i> , <i>Energy Technol.</i> 2015, 3, 453–468

Exhibit Number	Description
2036	Hyun-Seok Jeong et al., <i>Effect of phase inversion on microporous structure development of Al₂O₃/poly(vinylidene fluoride-hexafluoropropylene)-based ceramic composite separators for lithium-ion batteries</i> , Journal of Power Sources 195 (2010) 6116–6121
2037	Muhammad Rehman Asghar et al., <i>A Review on Inorganic Nanoparticles Modified Composite Membranes for Lithium-Ion Batteries: Recent Progress and Prospects</i> , Membranes 2019 , 9, 78; doi:10.3390/membranes9070078
2038	Marie-Francine Lagadec et al., <i>Characterization and performance evaluation of lithium-ion battery separators</i> , Nature Energy, 4 (2019); https://doi.org/10.1038/s41560-018-0295-9
2039	Kwang Man Kim et al., <i>Characterization of poly(vinylidenefluoride-co-hexafluoropropylene)-based polymer electrolyte filled with TiO₂ nanoparticles</i> , Polymer 43 (2002) 3951–3957
2040	Wenjing Lu et al., <i>Porous membranes in secondary battery technologies</i> , Chem. Soc. Rev., 2017, 46, 2199
2041	Shuhua Liu, et al., <i>Effect of grinding time on the particle characteristics of glass powder</i> , Powder Technology 295, 133-141 (2016)
2042	Laser diffraction for particle sizing – Anton Paar, available at: https://wiki.anton-paar.com/en/laser-diffraction-for-particle-sizing (last accessed on July 30, 2025)
2043	W. Pabst & E. Gregorova, <i>Characterization of particles and particle systems</i> , ICT Prague (2007)
2044	<i>Various types of chambers for “STAR BURST”</i> , https://www.sugino.com/en/column/sbs-technical-chamber/ (accessed on November 25, 2025)
2045	Declaration of Quinn Horn, Ph.D., dated October 21, 2025, <i>Ningde Amperex Tech. Ltd. v. Zhuhai CosMX Battery Co.</i> , No. 2:24-cv-00728-JRG
2046	KISUMA™ 5 Product Sheet
2047	U.S. Pat. No. 10,774,229 B2 to Maeda (“Maeda”)
2048	U.S. Pat. No. 10,793,748 to Yamamoto et al. (“Yamamoto”)

Exhibit Number	Description
2049	Russel Paterson et al., <i>IUPAC-NIST Solubility Data Series 70. Solubility of Gases in Glassy Polymers</i> , Journal of Physical and Chemical Reference Data 28, 1255 (1999); https://doi.org/10.1063/1.556050
2050	Alpha Aluminum Oxide Data Sheet
2051	<i>Pore Size Distribution</i> , https://micromeritics.com/pore-size-distribution/ (accessed on November 25, 2025)
2052	Kim Min et al., <i>Preparation of a Trilayer Separator and Its Application to Lithium-Ion Batteries</i> , J. Power Sources (2010) 8302-8305
2053	Ohji et al., <i>Advanced Processing and Manufacturing Technologies for Structural and Multifunctional Materials</i> , The American Ceramic Society (2008)
2054	Takemura et al., <i>A Powder Particle Size Effect on Ceramic Powder Based Separator for Lithium Rechargeable Battery</i> , J. Power Sources (2005) 779-783
2055	Notice of Intent to Issue Reexamination Certificate
2056	Claim Construction Order, <i>Ningde Amperex Tech. Ltd. v. Zhuhai CosMX Battery Co.</i> , Case No. 2:24-cv-00728-JRG, ECF No. 171 (E.D. Tex. Feb. 17, 2026)

Dated: February 26, 2026

Respectfully submitted,

By: /Christopher TL Douglas/
Christopher TL Douglas
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CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. §42.6(e), the undersigned hereby certifies that true and correct copies of the foregoing **PATENT OWNER'S EXHIBIT LIST and NINGDE AMPEREX TECH. EXHIBIT 2056** were served in their entirety on February 26, 2026 , via filing through the Patent Trial and Appeal Case Tracking System (P-TACTS), as well as by a delivering copy via electronic mail to the following:

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