

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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**ZHUHAI COSMX BATTERY CO., LTD.,**  
*Petitioner*

**v.**

**NINGDE AMPEREX TECHNOLOGY LTD.,**  
*Patent Owner*

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

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**PATENT OWNER'S UPDATED EXHIBIT LIST**

Mail Stop PATENT BOARD  
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US Patent and Trademark Office  
PO Box 1450  
Alexandria, Virginia 22313-1450

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 2055 is being filed today.

**LIST OF EXHIBITS**

| <b>Exhibit Number</b> | <b>Description</b>                                                                                                                                                     |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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) |

| Exhibit Number | Description                                                                                                                                                                                                    |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2009           | Amended Final Judgment, <i>Ningde Ampere 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                                                                                                                                                                                                       |
| 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> , <a href="https://www.grc.org/batteries-conference/2016/">https://www.grc.org/batteries-conference/2016/</a> (accessed on May 12, 2025)                                  |
| 2026           | <i>Hubs – Department of Energy</i> , <a href="https://www.energy.gov/hubs">https://www.energy.gov/hubs</a> (accessed on May 12, 2025)                                                                          |
| 2027           | <i>DOE Energy Innovation Hubs</i> , <a href="https://science.osti.gov/bes/Research/DOE-Energy-Innovation-Hubs">https://science.osti.gov/bes/Research/DOE-Energy-Innovation-Hubs</a> (accessed on May 12, 2025) |
| 2028           | Salvatore Luiso & Peter Fedkiw, <i>Lithium-ion battery separators: Recent developments and state of art</i> , 20 Current Opinion in Electrochemistry 99–107 (2020).                                            |
| 2029           | Sugino Machine Ltd., <i>StarBurst® P2218E 102501 AS</i> (Sugino Machine Ltd. 2025)                                                                                                                             |

| Exhibit Number | Description                                                                                                                                                                                                                                                                                    |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                    |
| 2036           | Hyun-Seok Jeong et al., <i>Effect of phase inversion on microporous structure development of Al<sub>2</sub>O<sub>3</sub>/poly(vinylidene fluoride-hexafluoropropylene)-based ceramic composite separators for lithium-ion batteries</i> , <i>Journal of Power Sources</i> 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> , <i>Membranes</i> <b>2019</b> , 9, 78; doi:10.3390/membranes9070078                                                           |
| 2038           | Marie-Francine Lagadec et al., <i>Characterization and performance evaluation of lithium-ion battery separators</i> , <i>Nature Energy</i> , 4 (2019); <a href="https://doi.org/10.1038/s41560-018-0295-9">https://doi.org/10.1038/s41560-018-0295-9</a>                                       |
| 2039           | Kwang Man Kim et al., <i>Characterization of poly(vinylidenefluoride-co-hexafluoropropylene)-based polymer electrolyte filled with TiO<sub>2</sub> nanoparticles</i> , <i>Polymer</i> 43 (2002) 3951–3957                                                                                      |
| 2040           | Wenjing Lu et al., <i>Porous membranes in secondary battery technologies</i> , <i>Chem. Soc. Rev.</i> , 2017, 46, 2199                                                                                                                                                                         |
| 2041           | Shuhua Liu, et al., <i>Effect of grinding time on the particle characteristics of glass powder</i> , <i>Powder Technology</i> 295, 133-141 (2016)                                                                                                                                              |
| 2042           | Laser diffraction for particle sizing – Anton Paar, available at: <a href="https://wiki.anton-paar.com/en/laser-diffraction-for-particle-sizing">https://wiki.anton-paar.com/en/laser-diffraction-for-particle-sizing</a> (last accessed on July 30, 2025)                                     |

| Exhibit Number | Description                                                                                                                                                                                                                                                    |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> , <a href="https://www.sugino.com/en/column/sbs-technical-chamber/">https://www.sugino.com/en/column/sbs-technical-chamber/</a> (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”)                                                                                                                                                                                                       |
| 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); <a href="https://doi.org/10.1063/1.556050">https://doi.org/10.1063/1.556050</a> |
| 2050           | Alpha Aluminum Oxide Data Sheet                                                                                                                                                                                                                                |
| 2051           | <i>Pore Size Distribution</i> , <a href="https://micromeritics.com/pore-size-distribution/">https://micromeritics.com/pore-size-distribution/</a> (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                                                                                                                                                                                                            |

Dated: February 17, 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 2055** were served in their entirety on February 17, 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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