UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG DISPLAY CO., LTD.,

Petitioner,

v.

PICTIVA DISPLAYS INTERNATIONAL LIMITED

Patent Owner.

Case No. IPR2024-01095
Patent No. 11,828,425

PATENT OWNER PICTIVA DISPLAYS INTERNATIONAL LTD.'S UPDATED EXHBIIT LIST

UPDATED EXHIBIT LIST

EX No.	Document Description
EX2001	Disclaimer, U.S. Patent 11,828,425 (filed Oct. 25, 2024)
EX2002	Declaration of P. Morgan Pattison, Ph.D.
EX2003	Kim, H. M., Seo, J. H., Han, W. K., Lee, K. H., Kang, H. J., Yoon, S. S., & Kim, Y. K. (2011), Improvement of Mixed Electron Transport Structure Red Phosphorescent Organic Light-Emitting Diodes, Molecular Crystals and Liquid Crystals, 538(1), 53–60
EX2004	Arunandan Kumar, Ritu Srivastava, Priyanka Tyagi, D. S. Mehta, M. N. Kamalasanan, Effect of doping of 8-hydroxyquinolinatolithium on electron transport in tris(8-hydroxyquinolinato)aluminum, J. Appl. Phys. 1 June 2011; 109 (11): 114511
EX2005	Chan Seok Oh, Jun Yeob Lee, High triplet energy n-type dopants for high efficiency in phosphorescent organic light-emitting diodes, Organic Electronics, Volume 16, 2015, Pages 34-39
EX006	Sunwoo Kang, Sang Ho Jeon, Taekyung Kim, Unraveling the complexation effect of electron transporting materials with Liq on the charge transport properties: A theoretical perspective, Chemical Physics Letters, Volume 810, 2023, 140207
EX2007	T. Sasaki, T. Oono, T. Shimizu, H. Fukagawa, Effects of Energy-Level Alignment on Operating Voltages of Blue Organic Light-Emitting Diodes. Adv. Mater. Interfaces 2023, 1, 2201925
EX2008	Vadim I. Adamovich, Steven R. Cordero, Peter I. Djurovich, Arnold Tamayo, Mark E. Thompson, Brian W. D'Andrade, Stephen R. Forrest, New charge-carrier blocking materials for high efficiency OLEDs, Organic Electronics, Volume 4, Issues 2–3, 2003, Pages 77-87
EX2009	Björn Lüssem, Chang-Min Keum, Daniel Kasemann, Ben Naab, Zhenan Bao, and Karl Leo, Doped Organic Transistors, *Chemical Reviews* 2016 *116* (22), 13714-13751
EX2010	U.S. Patent No. 11,585,504
EX2011	U.S. Patent No. 10,605,422

EX No.	Document Description
EX2012	Dictionary definition of "matrix" from A Dictionary of Chemistry (5th ed.), Oxford University Press (2004)
EX2013	Dictionary definition of "matrix" from Chambers Dictionary of Science and Technology, Chambers (2007)
EX2014	Federal Court Management Statistics for U.S. District Courts, available from https://www.uscourts.gov/statistics/table/na/federal-courtmanagement-statistics/2024/06/30-1
EX2015	Samsung Invalidity Contentions in *Pictiva Displays Int'l Ltd. v. Samsung Electronics Co. Ltd., et al.*, Case No. 2:23-cv-000495 (E.D. Tex. Jun. 11, 2024)
EX2016	U.S. Patent No. 9,797,567
EX2017	Federal Court Management Statistics for U.S. District Courts, available from https://www.uscourts.gov/statistics/table/na/federal-courtmanagement- statistics/2024/06/30-1
EX2018	Samsung Invalidity Contentions in the parallel district court case
EX2019	2024-12-16 Email from Samsung to Pictiva re "IPR2024-01095 – Stipulation"
EX2020	Deposition Transcript of Dr. Schubert with Ex. 1 of the deposition (Schubert Declaration)
EX2021	Intentionally omitted
EX2022	2025-05-05 Declaration of P. Morgan Pattison, Ph.D.
EX2023	2025-04-24 Holmes Transcript
EX2024	2025-04-18 Holmes Transcript
EX2025	Yang, Kwangmo et al., *Interfacial Exciton-Polaron Quenching in Organic Light-Emitting Diodes*, Physical Review X 14, 041009 (2024)
EX2026	Tanaka, I. et al., *Energy-transfer dynamics of blue-phosphorescent iridium and rhodium complexes doped in fluorescent molecules*, Journal of the SID 16/6, 695-701 (2008)

EX No.	Document Description
EX2027	C. Schmitz et al., *Lithium-Quinolate Complexes as Emitter and Interface Materials in Organic Light-Emitting Diodes*, Chem. Mater., 12, 3012-3019 (2000)
EX2028	Reineke, Sebastian et al., *Triplet-exciton quenching in organic phosphorescent light-emitting diodes with Ir-based emitters*, Physical Review B 75, 125328 (2007)
EX2029	printout of https://web.archive.org/web/20250000000000*/www.elsevier.com/locate/synmet (last visited 05/03/2025)
EX2030	[UNDER SEAL] Excerpt of Katona Rebuttal Report
EX2031	Memorandum Claim Construction Opinion and Order in *Pictiva Displays International Ltd. V. Samsung Electronics Co., Ltd*., 2:23-cv-495 (E.D. Tex. June 27, 2025)
EX2100	U.S. Patent No. 7,911,129
EX2101	K. Walzer et al., *Highly Efficient Organic Devices Based on Electrically Doped Transport Layers*, 107 Chem. Rev. 1233-71 (2007)
EX2102	U.S. Publication No. 2008/0116536 to Forrest
EX2103	Felipe A. Angel et al., *Silver-induced activation of 8-hydroxyquinolinato lithium as electron injection material in single-stack and tandem OLED devices*, Organic Electronics 59, 220-223 (2018)
EX2104	Min Seok Ki et al., *Improved Thermal Stability and Operational Lifetime of Blue Fluorescent Organic Light- Emitting Diodes by Using a Mixed-Electron Transporting Layer*, ACS Materials Lett. 4, 1676−1683 (2022)
EX2105	T. Sasaki et al., *Effects of Energy-Level Alignment on Operating Voltages of Blue Organic Light-Emitting Diodes*, Supporting Information for Adv. Mater. Interfaces 2023, 10, 2201925, available at DOI: 10.1002/admi.202201925 (supporting information for EX2007)

Dated: July 2, 2025

Respectfully submitted,

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CERTIFICATE OF SERVICE

I hereby certify, pursuant to 37 C.F.R. section 42.6, that on July 2, 2025, copies of **PATENT OWNER PICTIVA DISPLAYS INTERNATIONAL LIMITED'S UPDATED EXHIBIT LIST** served upon the following, by ELECTRONIC MAIL:

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