IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG DISPLAY CO., LTD.,
Petitioner,

v.

PICTIVA DISPLAYS INTERNATIONAL LTD.,
Patent Owner.

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

PETITIONER'S UPDATED EXHIBIT LIST

UPDATED TABLE OF EXHIBITS

Exhibit No.	Description
1001	U.S. Patent No. 11,828,425
1002	File History for U.S. Patent No. 11,828,425
1003	Declaration of Dr. Russell J. Holmes
1004	Certified Translation of International Patent Application Publication No. WO 2008/040323 A2 ("Diekmann")
1005	International Patent Application Publication No. WO 2008/040323 A2 ("Diekmann")
1006	Certified Translation of Japanese Patent Application Publication No. JP 2007-277631 A ("Suzuki")
1007	Japanese Patent Application Publication No. JP 2007-277631 A ("Suzuki")
1008	U.S. Patent Application Publication No. 2005/0146267 ("Lee")
1009	U.S. Patent Application Publication No. 2006/0214892 ("Harada")
1010	J.W. Ma et al., *Organic light-emitting diodes based on new n-doped electron transport layer*, Synthetic Metals 158 (2008) ("Ma")
1011	U.S. Patent Application Publication No. 2003/0159910 ("Caldwell")
1012	U.S. Patent Application Publication No. 2008/0211395 ("Koshihara")
1013	M. A. Baldo et al., *Highly efficient phosphorescent emission from organic electroluminescent devices*, 395 Nature 151 (1998).
1014	M. A. Baldo et al., *Very high-efficiency green organic light-emitting devices based on electrophosphorescence* 75 Appl. Phys. Lett. 4–6 (1999)
1015	Chihaya Adachi et al., *Confinement of charge carriers and molecular excitons within 5-nm-thick emitter layer in organic electroluminescent devices with a double heterostructure*, 57 Appl. Phys. Lett. 531–533 (1990)

Exhibit No.	Description
1016	Martin Pfeiffer et al., *Electrophosphorescent p-i-n organic light-emitting devices for very-high-efficiency flat-panel displays*, 22 Adv. Mater. 14 (2002)
1017	L. S. Hung et al., *Enhanced electron injection in organic electroluminescence devices using an Al/LiF electrode*, 70 Appl. Phys. Lett., 152–154 (1997)
1018	Zugang Liu et al., *Improved electron injection in organic LED with lithium quinolate/aluminium cathode*, 128 Synthetic Metals 211–214 (2002)
1019	Gufeng He et al., *Very high-efficiency and low voltage phosphorescent organic light-emitting diodes based on a p-i-n junction,* 95 J. Appl. Phys., 5773–5777 (2004) ("He").
1020	L. Moro et al, *Process and design of a multilayer thin film encapsulation of passive matrix OLED displays*, Proceedings of SPIE Vol. 5214 (2004)
1021	Anna B. Chwang et al., *Thin film encapsulated flexible organic electroluminescent displays*, 83 Appl. Phys. Lett. 413–415 (2003)
1022	V. Bulovic et al., *Transparent light-emitting devices*, 29 Nature 380 (1996)
1023	INTENTIONALLY LEFT BLANK
1024	U.S. Patent No. 6,879,319 ("Cok")
1025	File History for U.S. Patent Application No. 13/139,514
1026	File History for U.S. Patent Application No. 15/651,508
1027	File History for U.S. Patent Application No. 16/790,198
1028	U.S. Patent Application Publication No. 2011/0260201 ("Klein")
1029	Harald Gross et al., *High Power Efficiencies at Record Lifetimes: NOVALED'S PIN-OLEDS*, FPD Yokohama 2005
1030	Gufeng He et al., *High-efficiency and low-voltage p-i-n electrophosphorescent organic light-emitting diodes with double-emission layers*, 85 Appl. Phys. Lett. 3911–3913 (2004)
1031	A. G. Werner et al., *Pyronin B as a donor for n-type doping of organic thin films*, 82 Appl. Phys. Lett. 4495–4497 (2003)
1032	U.S. Patent No. 5,594,469 ("Freeman")

Exhibit No.	Description
1033	M. H. Lu et al., *High-efficiency top-emitting organic light-emitting devices*, 81 Appl. Phys. Lett. 3921–3923 (2002)
1034	First Amended Complaint, *Pictiva Displays International Ltd. v. Samsung Electronics Co., Ltd., et al.*, Case No. 2:23-cv-00495, Dkt. #17 (E.D. Tex. Mar. 1, 2024)
1035	Docket Control Order, *Pictiva Displays International Ltd. v. Samsung Electronics Co., Ltd., et al.*, Case No. 2:23-cv-00495, Dkt. #40 (E.D. Tex. Apr. 17, 2024)
1036	Declaration of Rachel Garland (Elsevier)
1037	Stipulation made by Defendants in Pictiva Displays Int'l Ltd. v. Samsung Elecs. Co., No. 2:23-cv-0495 (E.D. Tex.)
1038	Curriculum Vitae of Dr. Russell J. Holmes
1039	Declaration of Jeffrey H. Lerner in Support of Petitioner's Notice of Intent to Designate Jeffrey H. Lerner as Back-up Counsel under 37 C.F.R. § 42.10
1040	Declaration of Kee Young Lee in Support of Petitioner's Notice of Intent to Designate Kee Young Lee as Back-up Counsel under 37 C.F.R. § 42.10
1041	Patent Owner's Response (IPR2024-01095)
1042	Patrick B. Shea et al., Solution-processed polycrystalline copper tetrabenzoporphyrin thin-film transistors, Synthetic Metals 157 (2007)
1043	Transcript of July 25, 2025 Deposition of Dr. P. Morgan Pattison
1044	Reply Declaration of Dr. Russell J. Holmes
1045	IPR2024-01094, Paper 19 (Patent Owner Response)
1046	IPR2024-01094, Ex.2041 (Declaration of Processor Kirk S. Schanze)
1047	IPR2024-01094, Ex.2024 (Web of Science: Organic light-emitting diodes based on new n-doped electron transport layer)]
1048	Web of Science: Organic light-emitting diodes based on new n-doped electron transport layer (Full)
1049	Jun Endo et al., Organic Electroluminescent Devices Having Metal Complexes as Cathode Interface Layer, Jpn. J. Appl. Phys. Vol. 41 (2002)

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1050	Sung Hoon Choi et al., Improved Efficiency and Lifetime of Organic Light-Emitting Diode with Lithium-Quinolate-Doped Electron Transport Layer, Jpn. J. Appl. Phys. 48 (2009)
1051	Kaushik Roy Choudhury et al., LiF as an n-Dopant in Tris(8-hydroxyquinoline) Aluminum Thin Films, Adv. Mater. 2008, 20
1052	Xinyou Zheng et al., Efficiency improvement of organic light-emitting diodes using 8-hydroxy-quinolinato lithium as an electron injection layer, Thin Solid Films 478 (2005)
1053	Gregor Schwartz et al., Reduced efficiency roll-off in high-efficiency hybrid white organic light-emitting diodes, Appl. Phys. Lett. 92, 053311 (2008)
1054	Gregor Schwartz et al., High efficiency white organic light emitting diodes combining fluorescent and phosphorescent emitter systems, Proc. of SPIE Vol. 6192, 61920Q (2006)
1055	Lumtec, Liq, https://www.lumtec.com.tw/products-view.php?ID=327
1056	Lumtec, LiF, https://www.lumtec.com.tw/products-view.php?ID=371
1057	Commission on Isotopic Abundances and Atomic Weights, Barium, https://www.ciaaw.org/barium.htm
1058	Commission on Isotopic Abundances and Atomic Weights, Cesium, https://www.ciaaw.org/caesium.htm
1059	Eugene Hecht, Optics, Chapter 3 (4th ed. 2002)
1060	Declaration of Jared R. Frisch in Support of Petitioner's Notice of Intent to Designate Jared R. Frisch as Back-up Counsel under 37 C.F.R. § 42.10

Date: October 15, 2025

Respectfully submitted,

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CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6, I hereby certify that the foregoing Petitioner's Updated Exhibit List and Exhibit 1060, were served by electronic mail on the following counsel of record for patent owner:

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