

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. IPR2024-01094

Patent No. 8,558,223

**NOTICE OF FILING OF PETITIONER'S HEARING DEMONSTRATIVES
AND UPDATED EXHIBIT LIST**

Pursuant to 37 C.F.R. § 42.70(b), Petitioner is hereby filing a copy of its demonstratives for the oral hearing as Exhibit 1041.

UPDATED EXHIBIT LIST

Exhibit No.	Description
1001	U.S. Patent No. 8,558,223
1002	File History for U.S. Patent No. 8,558,223
1003	Declaration of Barry P. Rand, Ph.D.
1004	<i>Curriculum Vitae</i> of Barry P. Rand, Ph.D.
1005	PCT Application Publication No. WO 2005/086251 (“Werner”) (English translation)
1006	PCT Application Publication No. WO 2005/086251 (“Werner”) (Original German)
1007	J.W. Ma et al., <i>Organic light-emitting diodes based on new n-doped electron transport layer</i> , Synthetic Metals 158, 810-814 (2008) (“Ma”)
1008	Max Shtein et al., Micropatterning of small molecular weight organic semiconductor thin films using organic vapor phase deposition, J. Appl. Phys. 93, 4005-4016 (2003) (“Shtein”)
1009	U.S. Patent Application Publication No. 2007/0249148 (“Werner II”)
1010	U.S. Patent Application Publication No. 2008/0258610 (“Ikeda”)
1011	U.S. Patent Application Publication No. 2007/0181876 (“Itai”)
1012	F. Albert Cotton et al., <i>Studies of Tetrakis(trifluoroacetate) Dirhodium. 2.† A Pi Complex of Hexamethylbenzene with Tetrakis (trifluoroacetate) Dirhodium(II,II)</i> , 18 Organometallics 2724-2726 (1999) (“Cotton 1999”)
1013	Abhishek P. Kulkarni et al., <i>Electron Transport Materials for Organic Light-Emitting Diodes</i> , 16 Chem. Mater. 4556-4573 (2004)
1014	U.S. Patent Application Publication No. 2005/0129978 (“Nakashima”)

Exhibit No.	Description
1015	Bernard Geffroy et al., <i>Organic light-emitting diode (OLED) technology: materials, devices and display technologies</i> , 55 Polym Int 572-582 (2006)
1016	Amended Complaint (First), <i>Pictiva Displays International Ltd. v. Samsung Electronics Co., Ltd., et al.</i> , Case No. 2:23-cv-00495, Dkt. #17 (E.D. Tex. Mar. 1, 2024)
1017	Docket Control Order, <i>Pictiva Displays International Ltd. v. Samsung Electronics Co., Ltd., et al.</i> , Case No. 2:23-cv-00495, Dkt. #40 (E.D. Tex. Apr. 17, 2024)
1018	Declaration of Rachel Garland (Elsevier)
1019	Stipulation made by Defendants in <i>Pictiva Displays Int'l Ltd. v. Samsung Elecs. Co.</i> , No. 2:23-cv-0495 (E.D. Tex.)
1020	Reply Declaration of Barry P. Rand, Ph.D.
1021	Deposition Transcript of Kirk S. Schanze, dated July 21, 2025
1022	Torben Menke, et al., <i>In-situ conductivity and Seebeck measurements of highly efficient n-dopants in fullerene C₆₀</i> , 100 Appl. Phys. Lett. 093304 (2012)
1023	Christopher Schmitz, et al., <i>Lithium-Quinolate Complexes As Emitter and Interface Materials in Organic Light-Emitting Diodes</i> , 12 Chem. Mater. 3012 (2000)
1024	DE102008056391B4
1025	Certified English Translation of a complaint for German proceeding, Munich Regional Court, Ref. 21 O 2603-24 (formerly 21 O 13746-23)
1026	Prof. Schanze Expert Opinion, Anlage PS 15 (September 18, 2024)
1027	Barry P. Rand, et al., <i>Organic Solar Cells With Sensitized Phosphorescent Absorbing Layers</i> , 10 Organic Electronics 1015 (2009)
1028	Fan Yang, et al., <i>Efficient Solar Cells Using All-Organic Nanocrystalline Networks</i> , 19 Adv. Mater. 4166 (2007)
1029	Z.R. Hong, et al., <i>Improved Efficiency of Zinc Phthalocyanine/C₆₀ Based Photovoltaic Cells Via Nanoscale Interface Modification</i> , 90 Appl. Phys. Lett. 203505 (2007)
1030	Sunwoo Kang, et al., <i>Unraveling The Complexation Effect of Electron Transporting Materials With Liq On The Charge Transport Properties: A Theoretical Perspective</i> , 810 Chem. Phys. Lett. 140207 (2023)

Exhibit No.	Description
1031	Min Seok Ki, et al., <i>Supporting Info: Improved Thermal Stability and Operational Lifetime Of Blue Fluorescent Organic Light Emitting Diodes By Using A Mixed Electron Transporting Layer</i> , for Ex. 2050
1032	Certified English Translation of 21 O 2603-24, Reply 18.09.2024
1033	Hong Li, et al., <i>First-Principles Theoretical Investigation of The Electronic Couplings in Single Crystals of Phenanthroline-Based Organic Semiconductors</i> , 126 J. Chem. Phys. 164704 (2007)
1034	M. Y. Chan, et al., <i>Efficient Organic Photovoltaic Devices Using a Combination of Exciton Blocking Layer and Anodic Buffer Layer</i> , 100 J. Appl. Phys. 094506 (2006)
1035	Certified English Translation, WO2007054345A1
1036	WO2007054345A1
1037	Munford Declaration
1038	Complaint for German proceeding, Munich Regional Court, Ref. 21 O 2603-24 (formerly 21 O 13746-23)
1039	21 O 2603-24, Reply 18.09.2024
1040	Certified Translation of DE102008056391B4 (<i>served as supplemental evidence</i>)
1041	Petitioner's Hearing Demonstratives

Date: October 22, 2025

Respectfully submitted,
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CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6, I hereby certify that the foregoing Notice of Filing of Petitioner's Hearing Demonstratives and Updated Exhibit List, together with Exhibit 1041, was served on the Patent Owner by electronic mail to the following counsel of record for Patent Owner:

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