

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

MIANYANG BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.; WUHAN
CHINA STAR OPTOELECTRONICS SEMICONDUCTOR DISPLAY
TECHNOLOGY CO., LTD.; TIANMA MICROELECTRONICS CO., LTD.; AND
VISIONOX TECHNOLOGY, INC.,
Petitioner,

v.

SAMSUNG DISPLAY CO., LTD.
Patent Owner.

Case IPR2023-00941
U.S. Patent No. 7,414,599

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

Pursuant to 37 C.F.R. § 42.70(b) and the Board’s Order Setting Oral Argument in this matter (Paper 52), Patent Owner Samsung Display Co., Ltd. is hereby filing a copy of its demonstratives for the oral hearing as Exhibit 2056.

TABLE OF EXHIBITS

Exhibit	Description
2001	Certified File History for U.S. Patent No. 7,414,599
2002	U.S. Patent Publication No. 2004/0041750 (“Abe”)
2003	U.S. Patent Publication No. 2004/0145547 (“Oh”)
2004	Digital Integrated Circuits, A Design Perspective 2nd ed. (2003)
2005	Claim Construction Order, Inv. No. 337-TA-1351
2006	Declaration of Jared Frisch
2007	Declaration of Derek Andros
2008	[PROTECTIVE ORDER MATERIAL – NCT INFORMATION] Declaration of Andrew Wolfe, Ph.D.
2009	Replay the Display, <i>Mass Production of AMOLED – Samsung’s Dramatic Success That Changed the History of Displays</i> , Samsung Display Newsroom (Feb. 17, 2003) (https://global.samsungdisplay.com/31098)
2010	Society of Information Display, <i>Mobile Displays Technology and Applications</i> (Achintya K. Bhowmik et al.) (2008)
2011	Dawson et al., <i>Design of an Improved Pixel for a Polysilicon Active-Matrix Organic LED Display</i> , Society of Information Display (1998)

2012	Akimoto et al., <i>An Innovative Pixel-Driving Scheme for 64-Level Grey-Scale Full-Color Active Matrix OLED Displays</i> , Society of Information Display (2002)
2013	Shirasaki et al., <i>Full Color Polymer OLED Display Driven by a-Si:H TFT Utilizing a New Current-Programmed Method</i> , International Display Workshop (2003)
2014	Chih-Lung, Lin, <i>Pixel Circuit with High Immunity to the Degradation of TFTs and OLED for AMOLED Displays</i> , IMD/IDMC/ASIA Display Digest (2008)
2015	Yoo et. al., <i>302-ppi High-Resolution AMOLED using Laser-Induced Thermal Imaging</i> , Society of Information Display (2005)
2016	Yoon Jeong-hyun, <i>Samsung Display Achieves the Highest Definition Quality With Tenacity. Full HD AMOLED "Revolution,"</i> BIZ Insight (2013) (including certified English translation)
2017	Sung-eun Kim, <i>Climbing Mt. Fuji on Handstand?</i> (including certified English translation)
2018	[PROTECTIVE ORDER MATERIAL – NCT INFORMATION] Samsung Galaxy S21 AMOLED Display Claim Chart
2019	[PROTECTIVE ORDER MATERIAL – NCT INFORMATION] Samsung Display Galaxy S21 Circuit PDR (including certified English translation)
2020	Teardown Photos of Samsung Galaxy S21 Product
2021	Baek Byung-yuel, <i>Professor Kwon Wins Top Scientist Award of 2021</i> , The Korea Times (2021)
2022	Jeon Ha-yeon, <i>Distinguished Professor Oh-Kyung Kwon, An Authority on Displays, Received the Korea's Best Scientist and Technology Award</i> , Hanyang News Portal (2021)
2023	Sung Kyun Kwan University, <i>2016 Karl Ferdinand Braun Prize for AMOLED</i> , Society for Information Display (2016)

2024	U.S. Patent No. 9,666,132
2025	U.S. Patent No. 8,941,309
2026	Teardown Photos of MobileSentry Product
2027	Teardown Photos of Mengtor Product
2028	Teardown Photos of Phone LCD Parts Product
2029	Teardown Photos of Mobile Defenders Product
2030	Teardown Photos of Injured Gadgets Product
2031	Teardown Photos of Gadgetfix Product
2032	Teardown Photos of Group Vertical Product
2033	Teardown Photos of eTech Parts Plus Product
2034	Teardown Photos of Parts4Cells Product
2035	Teardown Photos of SEGMobile Product
2036	Teardown Photos of Captain Mobile Parts Product
2037	Teardown Photos of Repairs Universe Product
2038	Teardown Photos of Sourcely Plus Product
2039	Teardown Photos of Fixez Product
2040	Teardown Photos of Wholesale Gadget Parts Product
2041	Teardown Photos of Parts4LCD Product
2042	Teardown Photos of DFW Product
2043	Declaration of Aris Silzars, Ph.D.
2044	INTENTIONALLY LEFT BLANK
2045	INTENTIONALLY LEFT BLANK

2046	[PROTECTIVE ORDER MATERIAL – NCT INFORMATION] Declaration of Kwangsae Lee
2047	<i>Samsung Display Co., Ltd. v. BOE Tech. Co., Ltd. et al.</i> , Case No. 2- 23-cv-00309, Compl. (E.D. Tex. Jun. 26, 2023)
2048	Curriculum Vitae of Andrew Wolfe, Ph.D.
2049	Study of Leakage Current in n-channel and p-channel Polycrystalline Silicon Thin-film Transistors by Conduction and Low Frequency Noise Measurements, C.T. Angelis, et. al, J. Appl. Phys. 82, 4095- 4101 (1997)
2050	Transcript of February 23, 2024 Deposition of Daniel Foty, Ph.D.
2051	Sourcely Plus AMOLED Display Claim Chart
2052	Injured Gadgets AMOLED Display Claim Chart
2053	Transcript of June 24, 2024 Deposition of Daniel Foty, Ph.D.
2054	Order No. 60, Granting Complainant’s Motion <i>In Limine</i> No. 1, Inv. No. 337-TA-1351
2055	Supplemental Declaration of Andrew Wolfe, Ph.D.
2056	Patent Owner’s Hearing Demonstratives

Date: September 11, 2024

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 Patent Owner's Hearing Demonstratives and Updated Exhibit List, together with Exhibit 2056, was served by electronic mail on the following counsel of record for petitioner:

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