

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

DECLARATION OF ARIS K. SILZARS, Ph.D.

I, Aris K. Silzars, Ph.D., declare and state, to the best of my knowledge, understanding, and belief, as follows:

1. I am an independent consultant in the field of display technology.
2. I was asked by counsel for Samsung Display Co. Ltd. to tear down and obtain photographs from an AMOLED display in a Samsung Galaxy S21 smartphone product. I was also asked by counsel for Samsung Display Co. Ltd. to tear down and obtain photographs from replacement AMOLED displays that I understand were purchased from Apt-Ability, LLC d/b/a MobileSentry ("MobileSentry"); Mobile Defenders, LLC ("Mobile Defenders"); Injured Gadgets, LLC ("Injured Gadgets"); Group Vertical, LLC ("Group Vertical"); Electronics Universe, Inc. d/b/a Fixez.com ("Fixez"); Electronics Universe, Inc. d/b/a Repairs Universe, LLC ("Repairs Universe"); LCTech International Inc. d/b/a SEGMobile.com ("SEGMobile"); Sourcely Plus LLC ("Sourcely Plus"); eTech Parts, LLC ("eTech Parts"); Parts4Cells, Inc. ("Parts4Cells"); Wholesale Gadget Parts, Inc. ("Wholesale Gadget Parts"); Captain Mobile Parts, Inc. ("Captain Mobile Parts"); DFW Imports LLC d/b/a DFW Cellphone and Parts ("DFW"); Phone LCD Parts LLC ("Phone LCD Parts"); Parts4LCD; Mengtor Inc. ("Mengtor"); and Gadgetfix Corp. ("Gadgetfix").

3. Exhibit 2020¹ contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display in the Samsung Galaxy S21 product.

4. Exhibit 2026 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from MobileSentry.

5. Exhibit 2027 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Mengtor.

6. Exhibit 2028 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Phone LCD Parts.

7. Exhibit 2029 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Mobile Defenders.

8. Exhibit 2030 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Injured Gadgets.

¹ Exhibit numbers were assigned to me by counsel for Patent Owner.

9. Exhibit 2031 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Gadgetfix.

10. Exhibit 2032 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Group Vertical.

11. Exhibit 2033 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from eTech Parts Plus.

12. Exhibit 2034 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Parts4Cells.

13. Exhibit 2035 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from SEGMobile.

14. Exhibit 2036 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Captain Mobile Parts.

15. Exhibit 2037 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Repairs Universe.

16. Exhibit 2038 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Sourcely Plus.

17. Exhibit 2039 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Fixez.

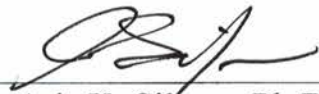
18. Exhibit 2040 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Wholesale Gadget Parts.

19. Exhibit 2041 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from Parts4LCD.

20. Exhibit 2042 contains true and accurate copies of product packaging and teardown photographs taken from the AMOLED display sample purchased from DFW.

I declare that all statements made herein of my own and acquired knowledge are true and that all statements made on information and belief are believed to be true. I further declare that all statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Executed on MARCH 5, 2024 in Sammamish, Washington.



Aris K. Silzars, Ph.D.