

# (19) United States

# (12) Patent Application Publication (10) Pub. No.: US 2024/0215418 A1

Jun. 27, 2024 (43) Pub. Date:

## (54) OLED DISPLAY PANEL

(71) Applicants: WUHAN CHINA STAR **OPTOELECTRONICS** TECHNOLOGY CO., LTD., Wuhan (CN); WUHAN CHINA STAR **OPTOELECTRONICS** SEMICONDUCTOR DISPLAY TECHNOLOGY CO., LTD., Wuhan (CN)

(72) Inventor: Hongmei LIU, Wuhan (CN)

(21) Appl. No.: 17/296,339

(22) PCT Filed: May 12, 2021

(86) PCT No.: PCT/CN2021/093365

§ 371 (c)(1),

(2) Date: Jan. 18, 2024

#### (30)Foreign Application Priority Data

Apr. 26, 2021 (CN) ...... 202110451288.4

### **Publication Classification**

(51) Int. Cl. H10K 59/80 (2006.01)

(2006.01)H10K 59/124 (52) U.S. Cl.

CPC ...... H10K 59/8794 (2023.02); H10K 59/124 (2023.02); H10K 59/8792 (2023.02)

#### (57)ABSTRACT

The present application discloses an OLED display panel. The OLED display panel includes at least one thermal conduction functional layer. A preparation material of the thermal conduction functional layer is a transparent graphite material. By disposing the thermal conduction functional layer in the OLED display panel, in-plane temperature uniformity is improved.

