



US 20240244911A1

(19) **United States**

(12) **Patent Application Publication**
WU et al.

(10) **Pub. No.: US 2024/0244911 A1**

(43) **Pub. Date: Jul. 18, 2024**

(54) **PIXEL ARRANGEMENT STRUCTURE AND
DISPLAY PANEL**

(30) **Foreign Application Priority Data**

Aug. 16, 2022 (CN) 202210980916.2

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

Publication Classification

(51) **Int. Cl.**
H10K 59/35 (2006.01)
(52) **U.S. Cl.**
CPC **H10K 59/353** (2023.02); **H10K 59/352**
(2023.02)

(72) Inventors: **Yuan WU**, Wuhan (CN); **Tingting WU**,
Wuhan (CN)

(21) Appl. No.: **18/012,177**

(57) **ABSTRACT**

(22) PCT Filed: **Aug. 30, 2022**

A pixel arrangement structure and a display panel are disclosed. The pixel arrangement structure and the display panel can increase an overlapping area between sub-pixels in opposite directions. In this way, a light-emitting color of a pixel unit has a better saturation, thereby improving a light-emitting effect of the pixel unit.

(86) PCT No.: **PCT/CN2022/115937**

§ 371 (c)(1),

(2) Date: **Dec. 21, 2022**

