



(19) **United States**

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

(10) **Pub. No.: US 2024/0251636 A1**

(43) **Pub. Date:** **Jul. 25, 2024**

(54) **OLED DISPLAY PANEL**

Publication Classification

(71) Applicants: **Hefei BOE Joint Technology Co., Ltd.**, Hefei, Anhui (CN); **BOE TECHNOLOGY GROUP CO., LTD.**, Beijing (CN)

(51) **Int. Cl.**
H10K 59/80 (2006.01)
H10K 59/12 (2006.01)
H10K 59/124 (2006.01)

(52) **U.S. Cl.**
 CPC ... *H10K 59/80522* (2023.02); *H10K 59/1201*
 (2023.02); *H10K 59/124* (2023.02)

(72) Inventors: **XinXin Wang**, Beijing (CN); **Dacheng Zhang**, Beijing (CN); **Ning Liu**, Beijing (CN); **Yu Wang**, Beijing (CN); **Bin Zhou**, Beijing (CN); **Can Yuan**, Beijing (CN)

(57) **ABSTRACT**

An OLED display panel includes a base substrate and an OLED device on the base substrate. The OLED device includes: an auxiliary electrode in the non-light-emitting region, the auxiliary electrode includes a conductive layer and a conductive column on a side of the conductive layer away from the base substrate, and an orthographic projection of the conductive column on the base substrate is within an orthographic projection of the conductive layer on the base substrate; and an insulating layer between the conductive layer and the base substrate; a groove is arranged on a surface of the insulating layer away from the base substrate, and an orthographic projection of the groove on the base substrate at least partially overlaps with the orthographic projection of the isolation structure on the base substrate.

(21) Appl. No.: **18/005,676**

(22) PCT Filed: **Feb. 28, 2022**

(86) PCT No.: **PCT/CN2022/078234**

§ 371 (c)(1),

(2) Date: **Jan. 17, 2023**

