



US 20240244898A1

(19) **United States**

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

(10) **Pub. No.: US 2024/0244898 A1**

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

(54) **DISPLAY PANEL AND DISPLAY DEVICE**

Publication Classification

(71) Applicants: **Chengdu BOE Optoelectronics Technology Co., Ltd.**, Chengdu, Sichuan (CN); **BOE Technology Group Co., Ltd.**, Beijing (CN)

(51) **Int. Cl.**
H10K 59/131 (2006.01)

(52) **U.S. Cl.**
CPC H10K 59/131 (2023.02)

(72) Inventors: **Yuanjie XU**, Beijing (CN); **Weiyun HUANG**, Beijing (CN); **Lili DU**, Beijing (CN); **Yudiao CHENG**, Beijing (CN)

(57) **ABSTRACT**

Provided is a display panel. The display panel includes: a substrate including a light-transmissive display region and a conventional display region, a plurality of first pixel drive circuits, a plurality of first light-emitting devices, and a plurality of second pixel drive circuits that are disposed in the conventional display region, and a plurality of second light-emitting devices disposed in the light-transmissive display region. The plurality of first pixel drive circuits includes a plurality of groups of the first pixel drive circuits. The plurality of first light-emitting devices are electrically connected to the plurality of first pixel drive circuit. The plurality of second pixel drive circuits includes a plurality of groups of the second pixel drive circuits. The plurality of second light-emitting devices are electrically connected to the plurality of groups of the second pixel drive circuits by a conductive wiring.

(73) Assignees: **Chengdu BOE Optoelectronics Technology Co., Ltd.**, Chengdu, Sichuan (CN); **BOE Technology Group Co., Ltd.**, Beijing (CN)

(21) Appl. No.: **17/926,648**

(22) PCT Filed: **Dec. 29, 2021**

(86) PCT No.: **PCT/CN2021/142721**

§ 371 (c)(1),

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

