

# (19) United States

## (12) Patent Application Publication (10) Pub. No.: US 2024/0215422 A1 YUAN et al.

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

### (54) DISPLAY PANEL AND TEST METHOD THEREOF, DISPLAY APPARATUS

(71) Applicants: **HEFEI BOE JOINT TECHNOLOGY** CO., LTD., Hefei (CN); BOE TECHNOLOGY GROUP CO., LTD.,

Beijing (CN)

(72) Inventors: Zhidong YUAN, Beijing (CN); Pan XU, Beijing (CN); Yongqian LI, Beijing (CN); Can YUAN, Beijing

(CN)

(21) Appl. No.: 17/791,262

PCT Filed: Sep. 28, 2021

(86) PCT No.: PCT/CN2021/121293

§ 371 (c)(1),

Jul. 7, 2022 (2) Date:

### **Publication Classification**

(51) Int. Cl. H10K 59/88 (2006.01)G01R 31/28 (2006.01)

G09G 3/3233 (2006.01)G09G 3/3266 (2006.01) H10K 71/70 (2006.01)

(52) U.S. Cl.

CPC ....... H10K 59/88 (2023.02); G01R 31/2884 (2013.01); G09G 3/3233 (2013.01); G09G 3/3266 (2013.01); H10K 71/70 (2023.02); G09G 2300/0408 (2013.01); G09G 2300/0842 (2013.01); G09G 2310/0286 (2013.01); G09G 2310/08 (2013.01); G09G 2330/12 (2013.01)

#### (57)**ABSTRACT**

A display panel, and a test method thereof, a display apparatus, each subpixel of the pixel array of the display panel includes a pixel circuit, a first signal line configured to provide a scanning signal to the pixel circuit, a scan driver circuit configured to provide the scanning signal to the pixel circuit and includes a shift register and a clock signal line in the display area; a test circuit board in the non-display area and including a test pad; and a test lead in the non-display area and electrically connected with the test pad. The first signal line includes a first part in the display area and a second part in the non-display area, the first part extends substantially along the first direction.

