



US 20240215345A1

(19) **United States**

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

(10) **Pub. No.: US 2024/0215345 A1**

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

(54) **DISPLAY SUBSTRATE AND DISPLAY APPARATUS**

(52) **U.S. Cl.**

CPC *H10K 59/131* (2023.02); *G09G 3/3266* (2013.01); *H10K 59/1213* (2023.02)

(71) Applicant: **BOE Technology Group Co., Ltd.**,
Beijing (CN)

(72) Inventors: **Jia ZHAO**, Beijing (CN); **Pinfan WANG**, Beijing (CN)

(57)

ABSTRACT

(21) Appl. No.: **17/910,358**

(22) PCT Filed: **Nov. 2, 2021**

(86) PCT No.: **PCT/CN2021/128196**

§ 371 (c)(1),

(2) Date: **May 11, 2023**

Publication Classification

(51) **Int. Cl.**

H10K 59/131 (2006.01)

G09G 3/3266 (2006.01)

H10K 59/121 (2006.01)

A display substrate and a display apparatus. The display substrate includes a base substrate and a circuit structure layer disposed on the base substrate, the circuit structure layer includes a flat region and a bendable region provided on at least one side of the flat region, the bendable region includes at least one stretch region, the stretch region includes a first pixel circuit region and a first power supply trace region, the first power supply trace region is located at one side of the first pixel circuit region away from the flat region, a first stretch hole is provided in the first power supply trace region, and a second stretch hole is provided in the first pixel circuit region.

