

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2024/0215383 A1

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

(54) DISPLAY PANEL AND ELECTRONIC DEVICE

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

(72) Inventors: Hanchen LIU, Wuhan (CN); Zhibo

DENG, Wuhan (CN)

(73) Assignee: WUHAN CHINA STAR **OPTOELECTRONICS** SEMICONDUCTOR DISPLAY TECHNOLOGY CO., LTD., Wuhan (CN)

(21) Appl. No.: 18/458,110

(22)Filed: Aug. 29, 2023

(30)Foreign Application Priority Data

(CN) 202211680170.X

Publication Classification

(51) Int. Cl. H10K 59/80 (2006.01)G06F 3/041 (2006.01)H10K 59/131 (2006.01)H10K 59/40 (2006.01)

(52) U.S. Cl.

CPC H10K 59/80521 (2023.02); G06F 3/0412 (2013.01); G06F 3/0416 (2013.01); H10K 59/131 (2023.02); H10K 59/40 (2023.02); G06F 2203/04111 (2013.01)

(57)ABSTRACT

A display panel and an electronic device are provided in the present application. The display panel includes a driving substrate and a plurality of light-emitting units disposed on the driving substrate. A first electrode layer is disposed on a side of the driving substrate provided with the light-emitting units. The first electrode includes a cathode pattern, and a plurality of touch control units arranged in an array. The cathode pattern is insulated from the plurality of touch control units.

