

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2024/0213274 A1 XIAO et al.

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

(54) **DISPLAY PANEL**

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

(CN)

(72) Inventors: Pian XIAO, Shenzhen (CN); Linjia

LIU, Shenzhen (CN)

Appl. No.: 18/384,368 (21)

(22) Filed: Oct. 26, 2023

(30)Foreign Application Priority Data

(CN) 202211657427.X Dec. 22, 2022

Publication Classification

(51) Int. Cl. H01L 27/12 (2006.01)H01L 25/075 (2006.01)H01L 25/16 (2006.01)

H01L 33/48 (2006.01)H01L 33/62 (2006.01)

(52) U.S. Cl.

CPC H01L 27/1244 (2013.01); H01L 25/0753 (2013.01); H01L 25/167 (2013.01); H01L 33/486 (2013.01); H01L 33/62 (2013.01)

(57)**ABSTRACT**

The embodiment of the present application provides a display panel. The display panel includes a driver substrate and a light emitting device bonded to and disposed on the driver substrate. The driver substrate includes a driver circuit and a first power line. The first power line includes a conductive pad. The light emitting device includes a first soldering pad and a second soldering pad. The first soldering pad overlaps and is bonded to the conductive pad. The second soldering pad is electrically connected to the driver circuit. The embodiment of the present application overlaps and bonds the opaque first soldering pad to the first power line, particularly overlaps and bonds the first soldering pad to the conductive pad. Therefore, an overlapping area between the first soldering pad and the first power line is increased.



