US 20240215324A1

(19) United States
(12) Patent Application Publication
BOK
(10) Pub. No.: US 2024/0215324 A1
(43) Pub. Date: Jun. 27, 2024

(54) **DISPLAY DEVICE**

(71) Applicant: **Samsung Display Co., LTD.**, Yongin-si (KR)

(72) Inventor: **SEUNG-LYONG BOK**, Yongin-si (KR)

(21) Appl. No.: **18/374,284**

(22) Filed: **Sep. 28, 2023**

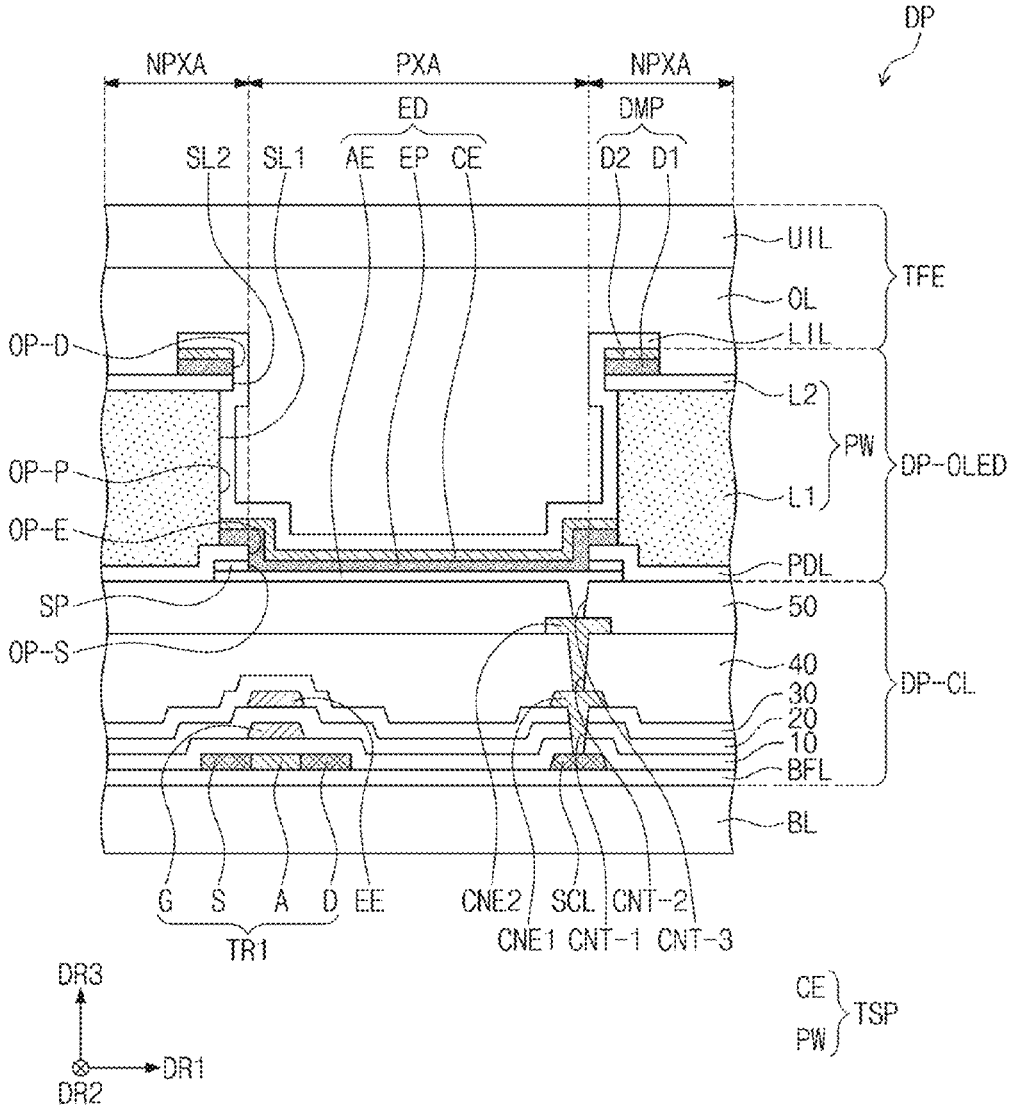
(30) **Foreign Application Priority Data**

Dec. 23, 2022 (KR) 10-2022-0183087

Publication Classification

(51) **Int. Cl.**
H10K 59/122 (2006.01)
H10K 59/131 (2006.01)
H10K 59/40 (2006.01)
H10K 59/80 (2006.01)

(52) **U.S. Cl.**
CPC ***H10K 59/122*** (2023.02); ***H10K 59/131*** (2023.02); ***H10K 59/40*** (2023.02); ***H10K 59/873*** (2023.02)

(57) **ABSTRACT**

A display device includes a base layer, a circuit layer disposed on the base layer, an anode disposed on the circuit layer, a pixel defining layer disposed on the circuit layer, where a light emitting opening is defined in the pixel defining layer to overlap the anode, a barrier wall disposed on the pixel defining layer, where a barrier opening is defined in the barrier wall to overlap the light emitting opening, a thin film encapsulation layer disposed over the circuit layer to cover the anode, the pixel defining layer, and the barrier wall, and a plurality of touch electrodes disposed between the circuit layer and the thin film encapsulation layer.