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CHA et al.(10) **Pub. No.: US 2023/0231096 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **DISPLAY DEVICE**(52) **U.S. Cl.**(71) Applicant: **Samsung Display Co., LTD.**, Yongin-si (KR)CPC **H01L 33/62** (2013.01); **H01L 25/167** (2013.01); **H01L 27/124** (2013.01)(72) Inventors: **Jong Hwan CHA**, Suwon-si (KR); **Ki Nyeng KANG**, Sejong-si (KR); **Jin Taek KIM**, Yongin-si (KR); **Hong Joon MOON**, Cheonan-si (KR)

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ABSTRACT(73) Assignee: **Samsung Display Co., LTD.**, Yongin-si (KR)(21) Appl. No.: **18/092,509**(22) Filed: **Jan. 3, 2023**(30) **Foreign Application Priority Data**

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A display device comprises electrode patterns spaced apart from each other in a first direction; a via layer disposed on the electrode patterns; first electrodes, each of the first electrodes partially overlapping an electrode pattern of the electrode patterns on the via layer in a plan view and extending in a second direction intersecting the first direction; second electrodes, each of the second electrodes comprising a portion extending in the second direction, the first electrodes and the second electrodes being spaced apart from each other and alternately disposed with each other; and light emitting elements disposed on a first electrode of the first electrodes and a second electrode of the second electrodes. The first electrodes are in contact with the electrode patterns through first electrode contact holes penetrating the via layer, and the first electrode contact holes are spaced apart from each other in the first direction.

