



US 20240179974A1

(19) **United States**(12) **Patent Application Publication**

Lee et al.

(10) **Pub. No.: US 2024/0179974 A1**(43) **Pub. Date: May 30, 2024**(54) **BENDING AREA STRUCTURE OF DISPLAY APPARATUS AND METHOD OF PROVIDING THE SAME**(71) Applicant: **Samsung Display Co., Ltd.**, Yongin-si (KR)(72) Inventors: **Donghyun Lee**, Yongin-si (KR); **Sijoon Song**, Yongin-si (KR); **Sanghyuck Yoon**, Yongin-si (KR); **Junyoung Lee**, Yongin-si (KR)(21) Appl. No.: **18/347,218**(22) Filed: **Jul. 5, 2023**(30) **Foreign Application Priority Data**

Nov. 29, 2022 (KR) ..... 10-2022-0163248

**Publication Classification**(51) **Int. Cl.****H10K 59/131** (2006.01)**H10K 59/12** (2006.01)**H10K 59/122** (2006.01)**H10K 59/80** (2006.01)(52) **U.S. Cl.**CPC ..... **H10K 59/131** (2023.02); **H10K 59/1201** (2023.02); **H10K 59/122** (2023.02); **H10K 59/873** (2023.02)

(57)

**ABSTRACT**

A display apparatus includes a display panel including a display area and a bending area which is spaced apart from the display area and at which the display panel is bendable to define a bent portion, and a cover window which is in the bending area and covers the display panel. The display panel which is bent includes an adjacent portion of the display panel which is closer to the cover window than the bent portion, overlaps the bent portion and is unbent.

