



US 20240215406A1

(19) **United States**(12) **Patent Application Publication**
SEONG et al.(10) **Pub. No.: US 2024/0215406 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **DISPLAY APPARATUS**(71) Applicant: **LG Display Co., Ltd.**, Seoul (KR)(72) Inventors: **Sejong SEONG**, Paju-si (KR); **SeHong PARK**, Paju-si (KR); **Wonrae KIM**, Paju-si (KR); **Inae CHOI**, Paju-si (KR); **SeoHyun NAM**, Paju-si (KR)(21) Appl. No.: **18/462,045**(22) Filed: **Sep. 6, 2023**(30) **Foreign Application Priority Data**

Dec. 26, 2022 (KR) 10-2022-0184734

Publication Classification(51) **Int. Cl.****H10K 59/80** (2006.01)
H10K 59/122 (2006.01)
H10K 59/124 (2006.01)(52) **U.S. Cl.**CPC **H10K 59/878** (2023.02); **H10K 59/122** (2023.02); **H10K 59/124** (2023.02)

(57)

ABSTRACT

A display apparatus is provided, which may improve light extraction efficiency of light emitted from a light emitting element layer. The display apparatus comprises a substrate having a plurality of pixels having a plurality of subpixels, a pattern portion disposed on the substrate and formed to be concave between the plurality of subpixels, and a reflective portion on the pattern portion, wherein the plurality of subpixels include a light emission area and a non-light emission area adjacent to the light emission area, and the pattern portion is disposed in the periphery of the non-light emission area.

