

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2024/0215306 A1 YANG et al.

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

(54) OPTICAL MEMBER AND DISPLAY APPARATUS COMPRISING THE SAME

(71) Applicant: LG Display Co., Ltd., Seoul (KR)

Inventors: SeungSoo YANG, Paju-si (KR); ChangHee CHOI, Paju-si (KR); Yujin KANG, Paju-si (KR)

Appl. No.: 18/458,934 (21) (22)Filed: Aug. 30, 2023

(30)Foreign Application Priority Data

Dec. 27, 2022 (KR) 10-2022-0185339

Publication Classification

(51) Int. Cl. H10K 59/12 (2006.01)H10K 59/38 (2006.01)H10K 59/80 (2006.01)

(52) U.S. Cl. CPC H10K 59/1201 (2023.02); H10K 59/38 (2023.02); H10K 59/8791 (2023.02); H10K

2102/302 (2023.02)

(57)**ABSTRACT**

An optical member capable of improving a vision recognition rate of a mark used for alignment such as bonding alignment, and a display apparatus comprising the same are provided. The optical member comprises a first layer including a pattern portion having a plurality of concave portions and a plurality of convex portions between the plurality of concave portions, and a second layer covering the pattern portion. The second layer includes a central area and an outer area, and a refractive index of the second layer in the central area is different from that of the second layer in the outer area.

