



US 20240244925A1

(19) **United States**

(12) **Patent Application Publication**

HAN et al.

(10) **Pub. No.: US 2024/0244925 A1**

(43) **Pub. Date: Jul. 18, 2024**

(54) **DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME**

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

(72) Inventors: **SOO YEON HAN**, Yongin-si (KR);  
**KYU-HO JUNG**, Yongin-si (KR);  
**SANG-CHUL BYUN**, Yongin-si (KR)

(21) Appl. No.: **18/486,452**

(22) Filed: **Oct. 13, 2023**

(30) **Foreign Application Priority Data**  
Jan. 18, 2023 (KR) ..... 10-2023-0007597

**Publication Classification**

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

(52) **U.S. Cl.**  
CPC ..... **H10K 59/872** (2023.02); **H10K 59/40** (2023.02); **H10K 59/8792** (2023.02)

(57) **ABSTRACT**

A display device includes a display panel, and a window coating layer having a lower surface in contact with an upper surface of the display panel, and an upper surface opposed to the lower surface, wherein the curing rate of the window coating layer increases along a thickness direction, the lower surface has a curing rate of about 10% to about 50%, and the upper surface has a curing rate of about 98% or less.

