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(19) **United States**(12) **Patent Application Publication**  
SHIN et al.(10) **Pub. No.: US 2024/0215323 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **DISPLAY DEVICE AND METHOD OF  
FABRICATING THE SAME**(52) **U.S. Cl.**CPC ..... **H10K 59/122** (2023.02); **H10K 59/1201**  
(2023.02); **H10K 59/8792** (2023.02)(71) Applicant: **Samsung Display Co., LTD.**, Yongin-si  
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**ABSTRACT**(72) Inventors: **Hyun Eok SHIN**, Yongin-si (KR);  
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A display device includes a first pixel electrode disposed on a substrate; an inorganic insulating layer disposed on the substrate; a bank structure disposed on the inorganic insulating layer and including a first opening, which overlap with the first pixel electrode; a first light-emitting layer disposed on the first pixel electrode; and a first common electrode disposed on the first light-emitting layer. The bank structure includes a first bank layer, which is disposed directly on the inorganic insulating layer and includes MoTaOx, a second bank layer, which is disposed on the first bank layer and includes MoTaOx, and a third bank layer, which is disposed between the first bank layer and the second bank layer and includes copper (Cu). The second bank layer includes tips, which protrude beyond the third bank layer, on a sidewall of the first opening, and the first and second bank layers include different Ta contents.

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