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(19) **United States**(12) **Patent Application Publication**
LEE et al.(10) **Pub. No.: US 2023/0231074 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **DISPLAY DEVICE AND MANUFACTURING METHOD FOR THE SAME****Publication Classification**(71) Applicant: **Samsung Display Co., LTD.**, Yongin-si (KR)(72) Inventors: **Won Ho LEE**, Yongin-si (KR); **Jong Hyuk KANG**, Yongin-si (KR); **Buem Joon KIM**, Yongin-si (KR); **Soo Jo OCK**, Yongin-si (KR); **Hyun Deok IM**, Yongin-si (KR)(51) **Int. Cl.****H01L 33/10** (2006.01)**H01L 33/38** (2006.01)**H01L 33/46** (2006.01)**H01L 33/00** (2006.01)(52) **U.S. Cl.**CPC **H01L 33/10** (2013.01); **H01L 33/382**(2013.01); **H01L 33/46** (2013.01); **H01L****33/005** (2013.01); **H01L 2933/0016** (2013.01);**H01L 2933/0025** (2013.01)(21) Appl. No.: **17/890,981**(22) Filed: **Aug. 18, 2022**(30) **Foreign Application Priority Data**

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ABSTRACT

A display device may include including a first insulating reflective layer including a distributed Bragg reflector above a substrate, a first electrode and a second electrode above the first insulating reflective layer, a second insulating reflective layer including a distributed Bragg reflector above the first electrode and the second electrode, and a light emitting element above the second insulating reflective layer.

