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(19) **United States**(12) **Patent Application Publication**  
**CHOI et al.**(10) **Pub. No.: US 2024/0244965 A1**(43) **Pub. Date: Jul. 18, 2024**(54) **COMPOUND, PHOTOELECTRIC DEVICE,  
LIGHT ABSORPTION SENSOR, SENSOR  
EMBEDDED DISPLAY PANEL, AND  
ELECTRONIC DEVICE****C07D 495/04** (2006.01)**C07F 7/08** (2006.01)**H10K 85/40** (2006.01)(52) **U.S. Cl.****CPC** ..... **H10K 85/657** (2023.02); **C07D 487/06**(2013.01); **C07D 495/04** (2013.01); **C07F****7/0816** (2013.01); **H10K 85/40** (2023.02);**H10K 85/6572** (2023.02); **H10K 85/6576**(2023.02); **H10K 30/30** (2023.02)(71) Applicant: **Samsung Electronics Co., Ltd.,**  
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(57)

**ABSTRACT**

Provided are a compound represented by Chemical Formula 1A or 1B and a photoelectric device, a light absorption sensor, a sensor-embedded display panel, and an electronic device including the same.

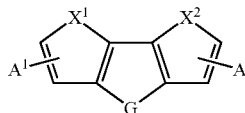
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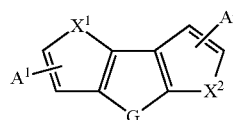
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Details for Chemical Formulas 1A and 1B are as described in the detailed description.

[Chemical Formula 1A]



[Chemical Formula 1B]



2000a, 2000b, 2000c

