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NAKAI et al.(10) **Pub. No.: US 2024/0213291 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **LIGHT EMITTING DEVICE****Publication Classification**(71) Applicant: **Oki Electric Industry Co., Ltd.**, Tokyo (JP)(51) **Int. Cl.**  
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**H01L 33/58** (2006.01)(72) Inventors: **Yusuke NAKAI**, Tokyo (JP); **Takuma ISHIKAWA**, Tokyo (JP); **Shinya JUMONJI**, Tokyo (JP); **Genichirou MATSUO**, Tokyo (JP); **Hiroto KAWADA**, Tokyo (JP); **Akihiro IINO**, Tokyo (JP)(52) **U.S. Cl.**  
CPC ..... **H01L 27/15** (2013.01); **H01L 33/58** (2013.01)(73) Assignee: **Oki Electric Industry Co., Ltd.**, Tokyo (JP)(57) **ABSTRACT**

A light emitting device includes a first layer including a first light emitting element that has a first light emission region and a first transparent insulation member that covers the first light emitting element; a second layer stacked on the first layer and including a second light emitting element that has a second light emission region and a second transparent insulation member that covers the second light emitting element; and a third layer stacked on the second layer and including a third light emitting element that has a third light emission region, at least partially overlapping with the first light emission region and the second light emission region, and a third transparent insulation member that covers the third light emitting element, wherein the third light emission region is formed so that its area is larger than the first light emission region and the second light emission region.

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