

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2024/0215417 A1 **OGAWA**

Jun. 27, 2024 (43) **Pub. Date:**

(54) LIGHT-EMITTING ELEMENT

(71) Applicant: CANON KABUSHIKI KAISHA, Tokyo (JP)

Inventor: TOSHIYUKI OGAWA, Chiba (JP)

Appl. No.: 18/538,340

(22)Filed: Dec. 13, 2023

(30)Foreign Application Priority Data

Dec. 23, 2022 (JP) 2022-206722

Publication Classification

(51) **Int. Cl.**

H10K 59/80 (2006.01)H10K 59/122 (2006.01) (52) U.S. Cl.

CPC H10K 59/8792 (2023.02); H10K 59/122 (2023.02); H10K 59/879 (2023.02)

(57)ABSTRACT

A light-emitting element includes a pixel, an emitter disposed in the pixel, and a light-shielding layer configured to shield light emitted by the emitter. The emitter includes a first light-emitting portion and a second light-emitting portion which emits light of an emission color of the first light-emitting portion, the light-shielding layer includes a first opening portion where light emitted by the first lightemitting portion transmits through, and a second opening portion where light emitted by the second light-emitting portion transmits through, and an opening area of the second opening portion is smaller than an opening area of the first opening portion.

