

US 20240237394A9

(19) United States

(12) **Patent Application Publication UEDA**

(54) DISPLAY UNIT, METHOD OF MANUFACTURING DISPLAY UNIT, AND ELECTRONIC APPARATUS

(71) Applicant: SONY CORPORATION, Tokyo (JP)

(72) Inventor: Daisuke UEDA, Tokyo (JP)

(21) Appl. No.: 18/535,809

(22) Filed: Dec. 11, 2023

Prior Publication Data

(15) Correction of US 2024/0138182 A1 Apr. 25, 2024See (22) Filed.See (30) Foreign Application Priority Data.

(65) US 2024/0138182 A1 Apr. 25, 2024

Related U.S. Application Data

(63) Continuation of application No. 17/988,124, filed on Nov. 16, 2022, now Pat. No. 11,871,611, which is a continuation of application No. 17/038,855, filed on Sep. 30, 2020, now Pat. No. 11,563,198, which is a continuation of application No. 16/682,135, filed on Nov. 13, 2019, now Pat. No. 10,826,023, which is a continuation of application No. 16/369,307, filed on Mar. 29, 2019, now Pat. No. 10,497,903, which is a continuation of application No. 15/512,572, filed on

(10) Pub. No.: US 2024/0237394 A9

(48) Pub. Date: Jul. 11, 2024 CORRECTED PUBLICATION

Mar. 19, 2017, now Pat. No. 10,290,832, filed as application No. PCT/JP2015/076244 on Sep. 16, 2015

(30) Foreign Application Priority Data

Oct. 9, 2014 (JP) 2014-208116

Publication Classification

(51) Int. Cl. H10K 50/856 (2006.01) H10K 50/824 (2006.01) H10K 59/122 (2006.01) H10K 71/00 (2006.01)

(52) U.S. Cl.

CPC *H10K 50/856* (2023.02); *H10K 50/824* (2023.02); *H10K 59/122* (2023.02); *H10K 71/00* (2023.02); *H10K 59/38* (2023.02)

(57) ABSTRACT

A display unit includes a plurality of pixels, a reflector layer, and an auxiliary electrode. Each of the plurality of pixels has a first electrode, an organic layer, and a second electrode in this order. The organic layer and the second electrode are provided on the first electrode. The organic layer includes a light-emitting layer. The reflector layer has a light-reflecting surface around each of the pixels. The auxiliary electrode is provided on the reflector layer and is projected from an upper end of the light-reflecting surface. The auxiliary electrode has a portion which is exposed from the organic layer, and the exposed portion is covered with the second electrode.

