



US 20240215420A1

(19) **United States**

(12) **Patent Application Publication**
SHIN et al.

(10) **Pub. No.: US 2024/0215420 A1**

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

(54) **ELECTRONIC APPARATUS AND METHOD
FOR MANUFACTURING THE SAME**

Publication Classification

(51) **Int. Cl.**

H10K 59/80 (2006.01)

H01L 23/373 (2006.01)

H01L 23/552 (2006.01)

(52) **U.S. Cl.**

CPC **H10K 59/8794** (2023.02); **H01L 23/3733**

(2013.01); **H01L 23/552** (2013.01); **H01L**

25/167 (2013.01)

(71) Applicant: **Samsung Display Co., LTD.**, Yongin-si
(KR)

(72) Inventors: **JUNGHOON SHIN**, Yongin-si (KR);
JAESANG LEE, Yongin-si (KR);
SUNG-WOON IM, Yongin-si (KR)

(21) Appl. No.: **18/244,474**

(22) Filed: **Sep. 11, 2023**

(30) **Foreign Application Priority Data**

Dec. 27, 2022 (KR) 10-2022-0186070

(57)

ABSTRACT

A method for manufacturing an electronic apparatus includes coating a resin, in which heat dissipation materials and metal particles are dispersed, on a rear surface of a display panel to form a preliminary functional layer, disposing a mask on the preliminary functional layer, inverting the display panel such that the preliminary functional layer is positioned below the display panel, and curing the preliminary functional layer to form a functional layer.

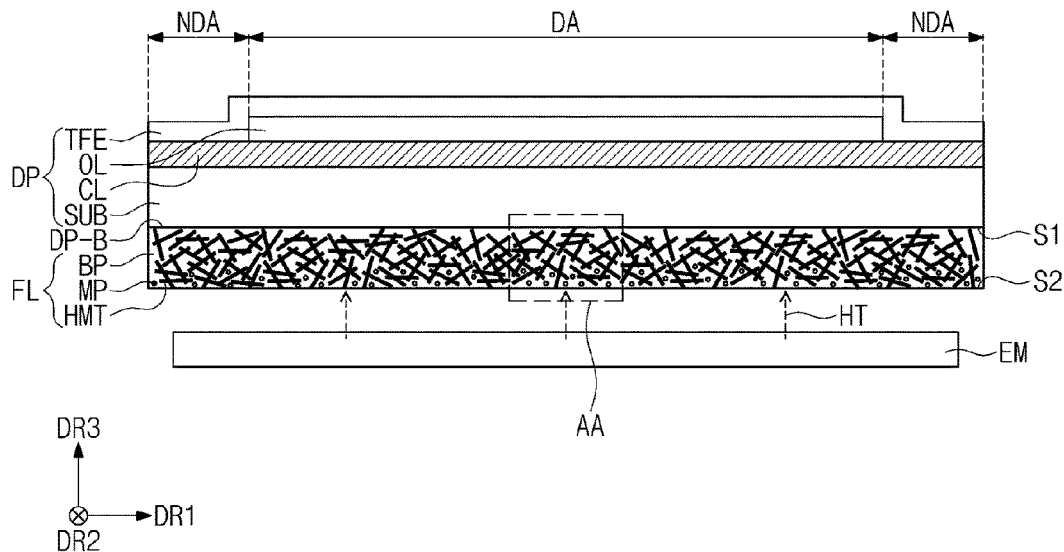


FIG. 5B

