



US 20240237436A9

(19) **United States**
(12) **Patent Application Publication**
Song et al.

(10) **Pub. No.: US 2024/0237436 A9**
(48) **Pub. Date: Jul. 11, 2024**
CORRECTED PUBLICATION

(54) **DISPLAY APPARATUS AND METHOD OF INSPECTING DEFECTS OF THE SAME**

G09G 3/00 (2006.01)

H10K 59/35 (2006.01)

H10K 71/70 (2006.01)

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

(52) **U.S. CL.**

CPC **H10K 59/131** (2023.02); **G06T 7/0004**

(2013.01); **G09G 3/006** (2013.01); **H10K**

59/353 (2023.02); **H10K 71/70** (2023.02);

G09G 2300/0452 (2013.01); **G09G 2330/12**

(2013.01)

(72) Inventors: **Jaejin Song**, Yongin-si (KR); **Sungmin Son**, Yongin-si (KR)

(21) Appl. No.: **18/310,419**

(22) Filed: **May 1, 2023**

(57)

ABSTRACT

Prior Publication Data

(15) Correction of US 2024/0138213 A1 Apr. 25, 2024
See (22) Filed.
See (30) Foreign Application Priority Data.

(65) US 2024/0138213 A1 Apr. 25, 2024

Foreign Application Priority Data

Oct. 25, 2022 (KR) 10-2022-0138618

Publication Classification

(51) **Int. Cl.**

H10K 59/131 (2006.01)

G06T 7/00 (2006.01)

A display apparatus includes: a first column including blue pixels and red pixels alternately located along a first direction; a second column located in a second direction crossing the first direction from the first column, and including green pixels located along the first direction; a third column located in the second direction from the second column, and including red pixels and blue pixels alternately located along the first direction; a fourth column located in the second direction from the third column, and including green pixels located along the first direction; a first test data line extending in the second direction; a second test data line extending in the second direction; a third test data line extending in the second direction; and a fourth test data line extending in the second direction.

