



US 20230231071A1

(19) **United States**(12) **Patent Application Publication**
CHOI et al.(10) **Pub. No.: US 2023/0231071 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **APPARATUS AND METHOD FOR
FABRICATING DISPLAY PANEL****Publication Classification**(51) **Int. Cl.**
H01L 33/00 (2006.01)(52) **U.S. Cl.**
CPC H01L 33/005 (2013.01); **H01L 2933/0025**
(2013.01); **H10K 71/50** (2023.02)(71) Applicant: **SAMSUNG DISPLAY CO., LTD.**,
Yongin-si (KR)(72) Inventors: **Hae Yun CHOI**, Hwaseong-si (KR);
Min Woo KIM, Hwaseong-si (KR);
Dae Ho SONG, Hwaseong-si (KR);
Tae Hee LEE, Hwaseong-si (KR); **Joo**
Woan CHO, Seongnam-si (KR)(57) **ABSTRACT**

An apparatus for fabricating a display panel includes: a chamber; a first process driver configured to sequentially perform dispensing and coating processes on a display substrate or a light-emitting diode substrate in an internal processing space of the chamber; a second process driver configured to selectively perform at least one process selected from among moving, dipping, laminating, bonding, and laser irradiating processes on the display substrate or the light-emitting diode substrate; and a third process driver where the dipping and laminating processes on the display substrate or the light-emitting diode substrate are performed.

(21) Appl. No.: **18/146,972**(22) Filed: **Dec. 27, 2022**(30) **Foreign Application Priority Data**

Jan. 20, 2022 (KR) 10-2022-0008500

