

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0232154 A1 AHN et al.

Jul. 20, 2023 (43) **Pub. Date:**

(54) DISPLAY DEVICE AND METHOD OF FABRICATING THE SAME

- (71) Applicant: Samsung Display Co., LTD., Yongin-si
- Inventors: Yi Joon AHN, Seoul (KR); Eun Kyung YEON, Suwon-si (KR); Jae Been LEE, Seoul (KR)
- (21) Appl. No.: 18/126,129
- Mar. 24, 2023 (22) Filed:

Related U.S. Application Data

- (62) Division of application No. 17/533,066, filed on Nov. 22, 2021, now Pat. No. 11,617,038.
- (30)Foreign Application Priority Data Mar. 31, 2021 (KR) 10-2021-0042037

(51) Int. Cl. H04R 5/02 (2006.01)H05K 5/03 (2006.01)

(52) U.S. Cl. CPC ... H04R 5/02 (2013.01); H05K 5/03 (2013.01); H04R 2499/15 (2013.01)

Publication Classification

(57)**ABSTRACT**

A display device includes a display panel which displays an image, a cover window which is disposed on a first surface of the display panel, and a first sound generator which is disposed on a second surface opposite the first surface of the display panel and outputs sound by vibrating the display panel. The cover window includes a first lattice pattern area including lattice patterns surrounding the first sound generator in a plan view.

