

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0232141 A1 CHO et al.

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

(54) ELECTRONIC DEVICE INCLUDING **SPEAKER**

(71) Applicant: Samsung Electronics Co., Ltd., Suwon-si (KR)

(72) Inventors: Joonrae CHO, Suwon-si (KR); Kiwon KIM, Suwon-si (KR); Jihoon SONG,

Suwon-si (KR); Myoungsung SIM, Suwon-si (KR); Hunki LEE, Suwon-si

(21) Appl. No.: 18/188,810

(22) Filed: Mar. 23, 2023

Related U.S. Application Data

(63) Continuation of application No. PCT/KR2022/ 017183, filed on Nov. 4, 2022.

(30)Foreign Application Priority Data

Nov. 17, 2021 (KR) 10-2021-0158765 Dec. 30, 2021 (KR) 10-2021-0192966

Publication Classification

(51) Int. Cl. H04R 1/02 (2006.01)H04R 1/28 (2006.01) H05K 5/04 (2006.01)

(52) U.S. Cl. CPC H04R 1/025 (2013.01); H04R 1/288 (2013.01); H05K 5/04 (2013.01)

(57)ABSTRACT

An electronic device including a speaker is provided. The electronic device includes a main housing, a cover housing connected to the main housing, a speaker provided inside the main housing and the cover housing, and a guide including a guide base seated on the main housing to support the speaker and a guide body extending from the guide base in a first direction and overlapping the speaker in a second direction perpendicular to the first direction.

