

US0D1089079S

# (12) United States Design Patent (10) Patent No.:

n (45) Date of Patent:

US D1,089,079 S

t: \*\* Aug. 19, 2025

#### (54) COMBINED EARPHONE AND CHARGER

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(72) Inventor: Musong Lin, Guangdong (CN)

(\*\*) Term: 15 Years

(21) Appl. No.: 29/880,696

(22) Filed: Jul. 26, 2023

(51) LOC (15) Cl. ...... 13-02

(52) U.S. Cl.

USPC ...... D13/108

#### (58) Field of Classification Search

USPC ...... D13/103, 107–110, 118–120, 183, 184; D14/223, 240, 251–253, 432–434, 439,

D14/447

CPC .... A45C 2011/001; B65D 43/16; H04R 1/10; H04R 1/1025; H04R 1/1041; H01R 25/006; H01R 29/00; H01R 24/00; H01R 24/76; H01R 12/592; H01R 13/62; H02J 7/0044; H02J 7/0045; H02J 7/0027; H02J

7/025; H02J 7/0069; H02J 7/00047; H02J 7/0049; H02J 7/0048; H02J 7/0063; H02J

7/32;

(Continued)

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(Continued)

Primary Examiner — Shawn T Gingrich Assistant Examiner — Angela C. Ligon

57) CLAIM

The ornamental design for a combined earphone and charger as shown and described.

#### DESCRIPTION

FIG. 1 is a perspective view of a combined earphone and charger showing my new design, shown separately for ease of illustration.

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a left side view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a top view thereof;

FIG. 7 is a bottom view thereof;

FIG. 8 is a perspective view of the combined earphone and charger in an open configuration;

FIG. 9 is a perspective view showing the combined earphone and charger in a closed state of use;

FIG. 10 is a front perspective view of the earphone of the combined earphone and charger, shown separately for ease of illustration,

FIG. 11 is a rear perspective view thereof;

FIG. 12 is a front view thereof;

FIG. 13 is a rear view thereof;

FIG. 14 is a left side view thereof;

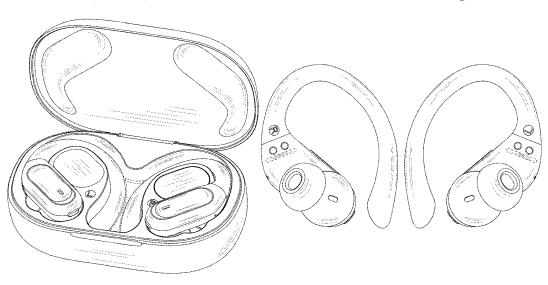
FIG. 15 is a right side view thereof;

FIG. 16 is a top view thereof; and,

FIG. 17 is a bottom view thereof.

The broken lines depict portions of the combined earphone and charger that form no part of the claimed design.

#### 1 Claim, 17 Drawing Sheets



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(58)	Field of Classification Search
	CPC H02J 7/342; H02J 7/0034; H02J 7/142;
	H02J 50/10; H02J 50/05; H02J 50/12;
	H02J 15/00; H04B 1/3877; H04B 1/3883;
	H04M 1/026; H04M 1/0262; H05K 5/00
	See application file for complete search history.
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FIG. 1

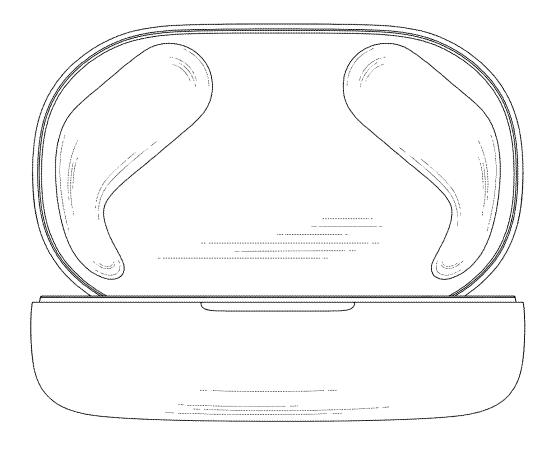


FIG. 2

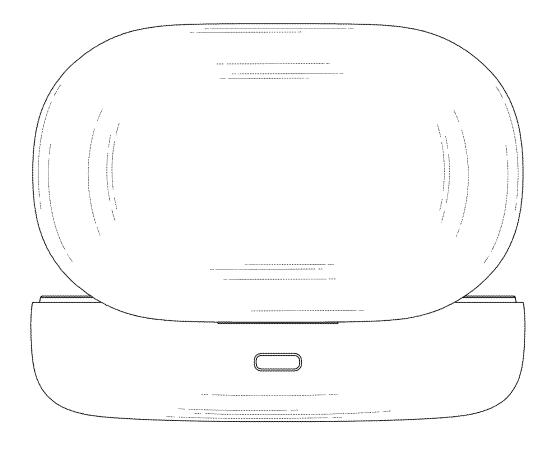


FIG. 3

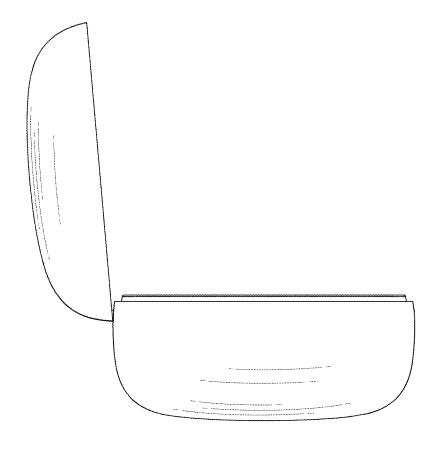


FIG. 4

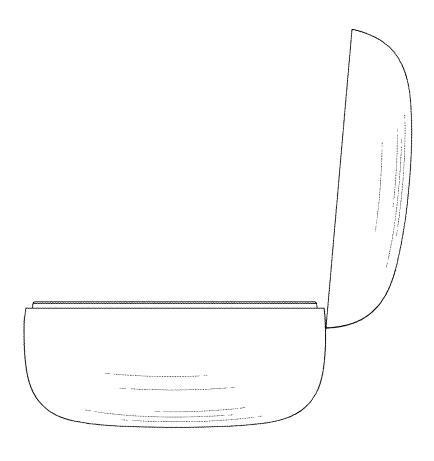


FIG. 5

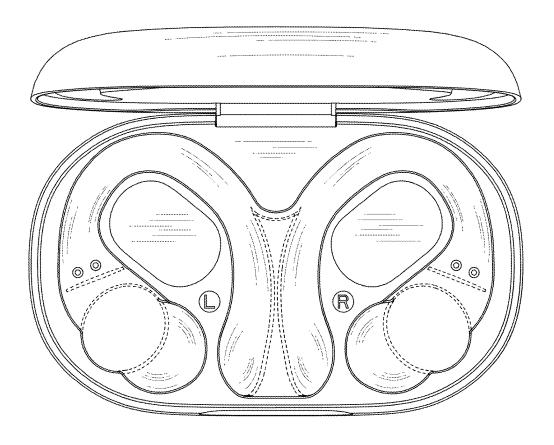


FIG. 6

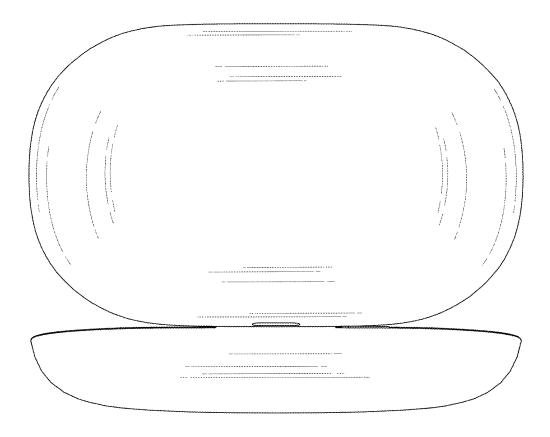


FIG. 7



FIG. 8

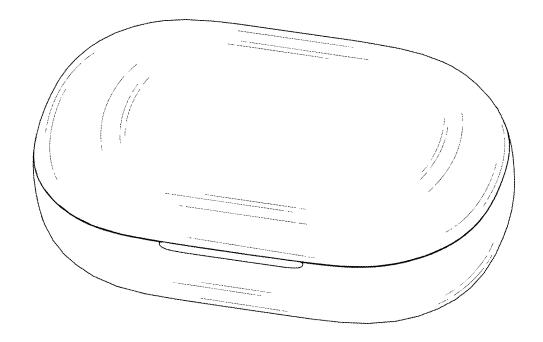


FIG. 9

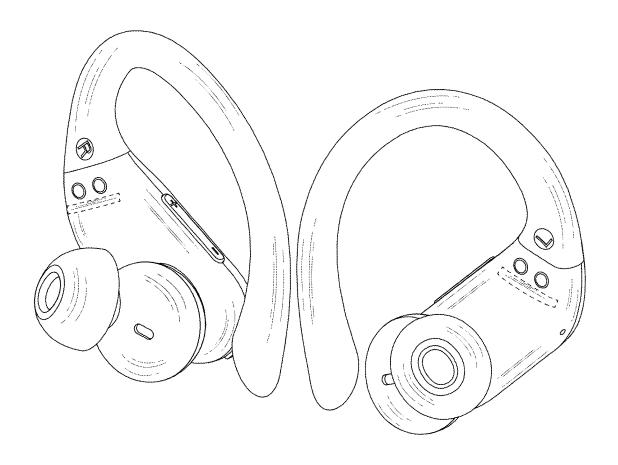


FIG. 10

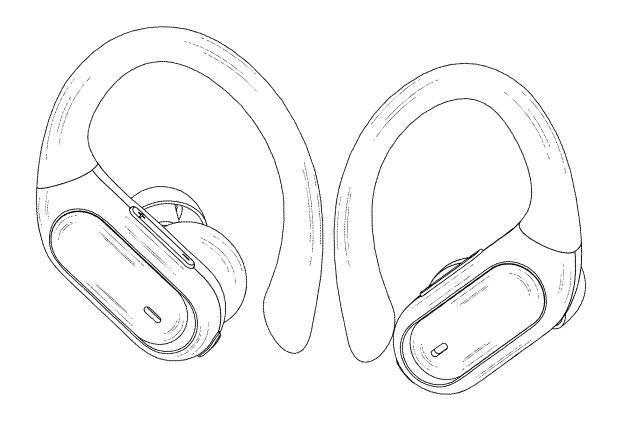


FIG. 11

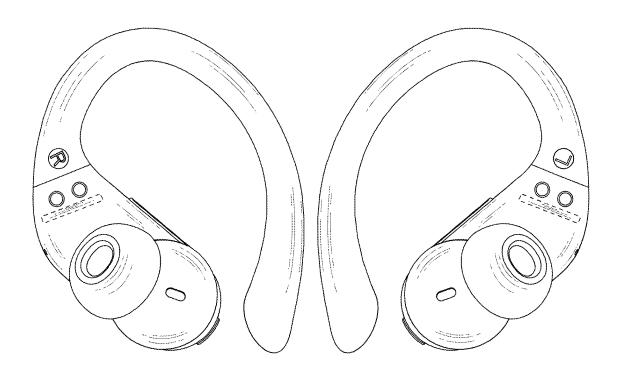


FIG. 12

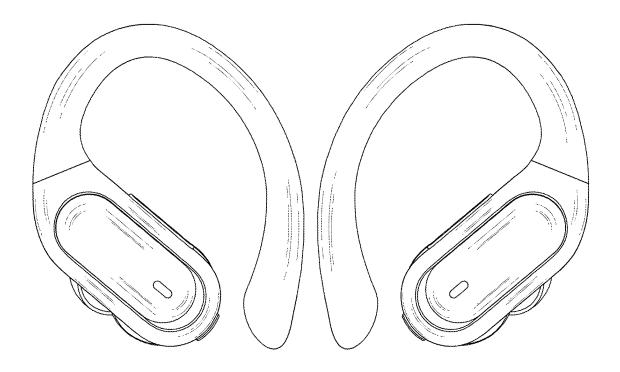


FIG. 13

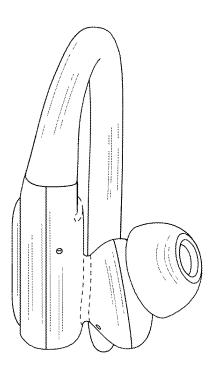


FIG. 14

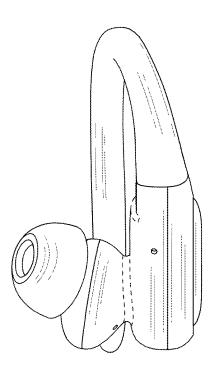


FIG. 15

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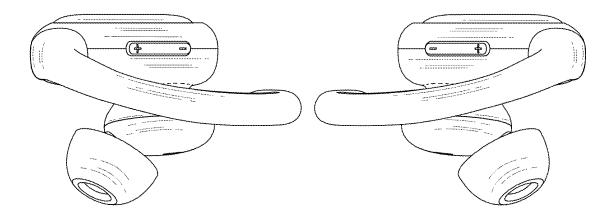


FIG. 16

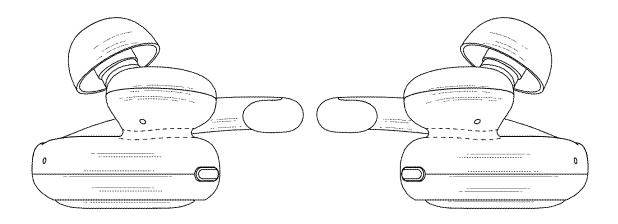


FIG. 17