

Title (en)
PORTABLE WIRELESS LISTENING DEVICE

Title (de)
TRAGBARES DRAHTLOSES ZUHÖRGERÄT

Title (fr)
DISPOSITIF D'ÉCOUTE SANS FIL PORTABLE

Publication
EP 4258688 A2 20231011 (EN)

Application
EP 23157342 A 20230217

Priority

- US 202263268356 P 20220222
- US 202217895019 A 20220824
- US 202217895025 A 20220824
- US 202217895028 A 20220824

Abstract (en)
An earphone comprising: a device housing that defines an interior cavity within the device housing; an acoustic port formed through a wall of the device housing; an audio driver disposed within the device housing and aligned to emit sound through the acoustic port; a user input region disposed along an exterior surface of the device housing; a flex circuit disposed within the interior cavity, the flex circuit including a first portion bonded at a first location to an inner surface of the device housing directly beneath the user-input region, a second portion bonded at a second location to an inner surface of the device housing spaced apart from the first location, and a third portion extending between the first and second portions; a force pixel disposed within the interior cavity and mounted to the first portion of the flex circuit below the user input region; a plurality of touch pixels disposed within the interior cavity between the force pixel and the user input region; sensor control circuitry disposed within the interior cavity and mounted to the second portion of the flex circuit; and a wireless antenna disposed within the interior cavity defined by the device housing.

IPC 8 full level
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CPC (source: EP)
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