

## WHAT IS CLAIMED IS:

1. An audio output mode adjustment structure that is applied to an electronic device (1) with a handset mode, the audio output mode adjustment structure comprising:

a sound output channel (2) communicating an interior (11) of the electronic device and an exterior (12) of the electronic device and having an opening (21) that is located at a top (13) of the electronic device; and

an adjustment unit (3) that is configured to move relative to the opening of the sound output channel, wherein when the electronic device outputs audio in:

a loud-speaking mode, the adjustment unit does not cover the sound output channel and sound waves propagate in a straight line through the opening of the sound output channel, and

the handset mode, the adjustment unit covers the opening of the sound output channel so that the sound waves propagate toward a display screen side of the electronic device through the opening of the sound output channel.

2. The audio output mode adjustment structure according to claim 1, wherein the adjusting unit further comprises an adjusting part (31) and a connecting part (32) connected with each other, and under an action of an external force, the connecting part drives the adjusting part to move relative to the opening of the sound output channel;

wherein, when the electronic device outputs audio in:

the loud-speaking mode, the adjusting part does not cover the opening of the sound output channel;

the handset mode, the adjusting part covers the opening of the sound output channel.

3. The audio output mode adjustment structure according to claim 2, wherein:

the adjusting part is rotationally connected with the connecting part, and

when the electronic device outputs audio in the loud-speaking mode, the adjusting part and the connecting part is located at the interior of the electronic device and the adjusting part does not cover the opening of the sound output channel, and

when the electronic device outputs audio in the handset mode, the connecting part drives the adjusting part to protrude to the exterior of the electronic device and the adjusting part flips relative to the connecting part to cover the opening of the sound output channel.

4. The audio output mode adjustment structure according to claim 3 or 4, wherein:

a moving channel (132) communicating the interior and the exterior of the electronic device is opened at the top of the electronic device and the moving channel is parallel to the sound output channel, and

the connecting part drives the adjusting part to protrude to the exterior of the electronic device through the moving channel.

5. The audio output mode adjustment structure according to any one of claims 2 - 4, wherein:

the adjustment unit further comprises a rotation conditioning part and the adjusting part is connected with the connecting part through the rotation conditioning part, and

the rotation conditioning part is configured to apply a flipping force to drive the adjusting part to flip a preset angle relative to the connecting part.

6. The audio output mode adjustment structure according to any one of claims 2 - 5, wherein:

the adjusting part is disposed at the exterior of the electronic device, the connecting part extends from the interior of the electronic device to the exterior of the electronic device, and the adjusting part is fixedly connected with the connecting part at a preset angle, and

under the action of external force, the connecting part slides along a width direction of the electronic device to drive the adjusting part to cover the sound output channel or not cover the sound output channel.

7. The audio output mode adjustment structure according to claim 6, wherein a sliding groove(131) is opened at the top of the electronic device that extends along a width direction

of the sliding groove, and an end of the connecting part connected with the adjusting part passes through the sliding groove and protrudes to the exterior of the electronic device.

8. The audio output mode adjustment structure according to any one of claims 2 - 7, wherein the audio output mode adjustment structure further comprises a drive assembly (4) that is connected with the connecting part, and the drive assembly drives the connecting part to move relative to the sound output channel so as to drive the adjusting part to cover the sound output channel or not cover the sound output channel.

9. The audio output mode adjustment structure according to claim 8, wherein:

the drive assembly comprises a torque output unit (41) and a motion transmitting unit (42) connected to the torque output unit, the motion transmitting unit and the connecting part is fixedly connected, and

the torque output unit outputs torque to drive the motion transmitting unit to take a straight-line motion.

10. The audio output mode adjustment structure according to claim 9, further comprising a drive controller (5) that is configured to control the torque output unit to output torque and is electrically connected with a control unit of the electronic device.

11. The audio output mode adjustment structure according to claim 9 or 10, wherein the torque output unit comprises a motor (411) and a screw bar (412) connected to an output shaft of the motor, and the motion transmitting unit is in a threaded connection with the screw bar.

12. The audio output mode adjustment structure according to claim 11, wherein the drive assembly further comprises a mounting rack (43) having a first mounting part (431) and a second mounting part (432) parallel to each other, and the screw bar is arranged between the first mounting part and the second mounting part, the output shaft of the motor passes

through the first mounting part and is fixedly connected with the screw bar.

13. The audio output mode adjustment structure according to claim 12, wherein the drive assembly further comprises a limiting part (44) that is parallel to the screw bar, with two ends of the limiting part being fixedly connected with the first mounting part and the second mounting part respectively, and the limiting part extending through the motion transmitting unit,

wherein the mounting rack further comprises a fixing part (433) that is fixedly connected with the first mounting part and connected with a shell structure of the electronic device.

14. An audio output mode adjustment method that is applied to the electronic device having the audio output mode adjustment structure according to any one of claims 1 to 13,

wherein the audio output mode adjustment method comprising:

receiving (S110) audio output mode adjustment information;

determining (S120) a target audio output mode based on the audio output mode adjustment information; and

adjusting (S130) a position of an adjustment unit of the audio output mode adjustment structure relative to an opening of a sound output channel based on the target audio output mode.

15. An audio output mode adjustment apparatus that is applied to the electronic device having the audio output mode adjustment structure according to any one of claims 1 to 13, wherein the audio output mode adjustment apparatus comprising:

a receiving module (110) that is configured to receive audio output mode adjustment information;

a determining module (120) that is configured to determine a target audio output mode based on the audio output mode adjustment information; and

an adjusting module (130) that is configured to adjust a position of an adjustment unit of

the audio output mode adjustment structure relative to an opening of a sound output channel based on the target audio output mode.