

CLAIMS

1. A case for containing a portable media player, the case including:
a frame for placement of the media player; and
5 a speaker driver mounted in a cabinet, the speaker driver connectable
to an audio output of the media player;
wherein the speaker driver is connected to the audio output of the
media player using either a wired connection or a wireless connection, the
speaker driver being exposed when the case is in an open mode and the
10 speaker driver being concealed when the case is in a closed mode.
2. The case of claim 1, wherein the frame and the cabinet are both
located in a first compartment of the case.
- 15 3. The case of claim 1, wherein the frame is located in a first
compartment of the case and the cabinet is located in a second compartment
of the case.
4. The case of claim 1, wherein the speaker driver includes a voice coil,
20 the voice coil having a first voice coil winding and a second voice coil winding,
the first voice coil winding receiving a first input from the audio output of the
media player and the second voice coil winding receiving a second input from
the audio output of the media player.
- 25 5. The case of claim 4, wherein the first voice coil winding and the second
voice coil winding causes in-phase vibration of the voice coil such that the
speaker driver vibrates during playback of content of the media player
connected to the speaker driver.
- 30 6. The case of claim 1, wherein the wired connection is enabled by a
cable with a jack.
7. The case of claim 6, wherein the cable with a jack is removably
incorporated within the frame and the cabinet.

8. The case of claim 6, wherein the cable with a jack functions as an antennae for reception of FM signals.

5 9. The case of claim 1, wherein the wireless connection is enabled by wireless technologies selected from the group consisting of: Wifi, Bluetooth, WiMax, and UWB.

10 10. The case of claim 1, wherein the frame and cabinet is made from a force suppressing material, the force suppressing material selected from the group consisting of: Styrofoam, high density sponge, elastomer, and rubber.

15 11. The case of claim 1, wherein the cabinet has a raised rim along a perimeter of an exposed face of the speaker driver, the raised rim being to prevent compression of the speaker driver when the case is in a closed mode.

12. The case of claim 1, wherein the cabinet anchors the speaker driver to the case.

20 13. The case of claim 1, wherein the media player is controllable when the case is in a closed mode, controls of the media player being activated either directly or remotely.

25 14. The case of claim 13, wherein the controls are located at an outer surface of the case and the direct activation of the controls is via physical contact.

30 15. The case of claim 13, wherein the remote activation of functions of the media player uses wireless technologies selected from the group consisting of: Wifi, Bluetooth, WiMax, infra-red and UWB.

16. The case of claim 1, wherein the case is not airtight when in a closed mode.

17. The case of claim 1, wherein the sound is transmittable from the speaker driver to a region around the case when the case is in a closed mode.

18. The case of claim 1, wherein the media player is either permanently located within the case or removable from the case.

19. The case of claim 1, further including a connector of the media player located at an outer surface of the case, the connector being for signals selected from the group consisting of: data, electrical and both of the aforementioned.

20. The case of claim 19, wherein the connector is selected from the group consisting of: USB connector, mini-USB connector, IEEE1394 connector and a proprietary connector.

21. The case of claim 1, further including a set of headphones/earphones connectable to the audio output of the media player, a cable of the set of headphones/earphones being retractable into the case.

22. The case of claim 21, further including a switch that allows connection of either the set of headphones/earphones or the speaker driver to the audio output of the media player.

23. The case of claim 22, wherein the set of headphones/earphones is either wired or wireless.

24. The case of claim 23, wherein wireless transmission to the set of wireless headphones/earphones is using wireless technologies selected from the group consisting of: Wifi, Bluetooth, WiMax, infra-red and UWB.

25. The case of claim 1, wherein an outer surface of the case is water proofed.

26. The case of claim 1, wherein the case alternates between the open mode and the closed mode using fasteners selected from the group consisting of: adhesive strips, Velcro strips, magnetic strips, and a zipper.

5 27. The case of claim 1, further including a microphone, the microphone including an analog-digital converter.

What is claimed is:

1. A case for containing a portable media player, the case including:
a frame for placement of the media player; and
a speaker driver mounted in a cabinet, the speaker driver connectable to an audio output of the media player;
wherein the speaker driver is connected to the audio output of the media player using either a wired connection or a wireless connection, the speaker driver being exposed when the case is in an open mode and the speaker driver being concealed when the case is in a closed mode, and
wherein sound is transmittable from the speaker driver to a region around the case when the case is in a closed mode.
2. The case of claim 1, wherein the frame and the cabinet are both located in a first compartment of the case.
3. The case of claim 1, wherein the frame is located in a first compartment of the case and the cabinet is located in a second compartment of the case.
4. The case of claim 1, wherein the speaker driver includes a voice coil, the voice coil having a first voice coil winding and a second voice coil winding, the first voice coil winding receiving a first input from the audio output of the media player and the second voice coil winding receiving a second input from the audio output of the media player.
5. The case of claim 4, wherein the first voice coil winding and the second voice coil winding causes in-phase vibration of the voice coil such that the speaker driver vibrates during playback of content of the media player connected to the speaker driver.
6. The case of claim 1, wherein the wired connection is enabled by a cable with a jack.
7. The case of claim 6, wherein the cable with a jack is removably incorporated within the frame and the cabinet.
8. The case of claim 1, wherein the wireless connection is enabled by wireless technologies selected from the group consisting of: Wifi, Bluetooth, WiMax, and UWB.

9. The case of claim 1, wherein the frame and cabinet is made from a force suppressing material, the force suppressing material selected from the group consisting of: Styrofoam, high density sponge, elastomer, and rubber.
10. The case of claim 1, wherein the cabinet has a raised rim along a perimeter of an exposed face of the speaker driver, the raised rim being to prevent compression of the speaker driver when the case is in a closed mode.
11. The case of claim 1, wherein the media player is controllable when the case is in a closed mode, controls of the media player being activated either directly or remotely.
12. The case of claim 11, wherein the controls are located at an outer surface of the case and the direct activation of the controls is via physical contact.
13. The case of claim 11, wherein the remote activation of functions of the media player uses wireless technologies selected from the group consisting of: Wifi, Bluetooth, WiMax, infra-red and UWB.
14. The case of claim 1, wherein the media player is either permanently located within the case or removable from the case.
15. The case of claim 1, further including a connector of the media player located at an outer surface of the case, the connector being for signals selected from the group consisting of: data, electrical and both of the aforementioned.
16. The case of claim 15, wherein the connector is selected from the group consisting of: USB connector, mini-USB connector, IEEE1394 connector and a proprietary connector.
17. The case of claim 1, further including a set of headphones/earphones connectable to the audio output of the media player, a cable of the set of headphones/earphones being retractable into the case.
18. The case of claim 17, further including a switch that allows connection of either the set of headphones/earphones or the speaker driver to the audio output of the media player.
19. The case of claim 1, further including a microphone, the microphone including an analog-digital converter.